

SUEZ MIDDLETOWN
453 South Lawrence Street
Middletown, PA 17057
717-948-3055



April 29, 2022

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RE: Transmittal of SUEZ Middletown Operations Report March 2022

Pursuant to Sections 3.22 and 4.10 of the Concession Agreement; Part A, Section 9.4 and Part B, Sections 5.1, 5.2.6, 5.4.3, 6.3, and 8.1 of the Operating Standards; and Section 7.1 (e), (i) of the Joint Venture Operating Agreement, transmitted herewith is an electronic copy of the subject Monthly Report.

Should you have any questions or require further information, please contact me at your convenience.

Sincerely,

A handwritten signature in dark ink that reads "Kodi Webb".

Kodi Webb
Project Manager
Suez Middletown

cc: Michael Winfield
Jason Kiernan
Jason O'Brien
Ken Bonn
William Stanton



MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

March 2022



EXECUTIVE SUMMARY

This report covers the monthly period of March 1, 2022 through March 31, 2022.

During this reporting period, SUEZ Middletown met all operational obligations. SUEZ worked closely with the Borough of Middletown to provide the citizens of Middletown a consistent, high quality water and wastewater service, which meets all Federal, State and local regulatory requirements.

The following Summary highlights the achievements and challenges of the project during this reporting period.

Operations and Maintenance

SUEZ effectively provided all services as required in accordance with the Operating and Technical Standards as described in Schedule 4 of the Concession Agreement dated September 29, 2014, in accordance with Best Management Practices, and all applicable Laws.

Significant operational and maintenance accomplishments for the reporting period include:

- Continue weekly monitoring of the petroleum substance entering the outfall pipe after the WWTP effluent. Short-term mitigation efforts are minimizing the discharge until a long-term plan is approved.
- Continue use of the HachWIMS application for process and regulatory data management and to optimize meeting reporting requirements.
- As COVID-19 Pandemic continues in the U.S., local operations have implemented Business Continuity Plans at the direction of SUEZ-NA with guidance from the CDC and WHO.
- Continue observation of the SmartCover® Sewer Monitoring System at manholes MH-286 at Mill St, MH-290 at Hoffer Park, MH-332 at E. Main St, and MH-475A on E. Water St.
- Work with HRG, Tri-Star, and Kohl Bros. on modifications and upgrades to the groundwater elevation monitoring equipment.
- Continue with Well # 4 Pump Replacement, and integration of new chemical feed system.
- Installation of Safety Upgrades for Water and Wastewater systems.
- Continue overseeing Vine Street Capital Project.
- Repair sewer lateral on Pine Street.
- Maintenance on SmartCovers.

Regulatory Compliance

NOV was issued on March 1st 2021 for Well # 4 Fluoride system deficiencies. A brief summary and status update regarding the NOV, our efforts to date, and action plan to resolve the issue follows:

- NOV was issued by DEP on 3/1/21
 - Verbal consult with the Department (30 Day)- Due by 3/31/21 - **Completed**
 - Respond in writing (45 Day)- Due by 4/15/21 - **Submitted**
 - Complete corrective actions (120 Day)- Due by 6/29/21 - **Extended by DEP**
 - PA DEP did not provide an updated deadline, but wants to see continued progress with the project.
- Required upgrades to fluoride feed systems at all wells which will require a separate permit amendment filed with PA DEP for each. – **Well #4 Permit Approved 6/25/21**
 - Only Well #4 will be held to the 120 day timeline since permits are required for each well
 - SUEZ will not delay working with HRG and DEP to get all locations permitted and completed in a timely manner.
- Equipment for upgrade
 - HRG to identify best pumps and equipment for this application.
 - Well pump #4, replacement in progress
 - Once replacement pump is selected a permit application will be filed with PA DEP by HRG. – November 2021
 - After permit approval, new chemical feed system will be installed and integrated. – Early 2022
- SUEZ working with HRG on permit amendments,
 - Well 4 Permit Application – **Approval Received on 6/25/21**
 - Parts ordered in July, and received August 19
 - Permit Applications for wells 1, 2, and 3 submitted 8/24/21.
 - Permits approved 10/26/21.
 - Part procured.
 - Quotes are being gathered.
 - Permit Applications for wells 5 and 6 submitted 1/7/22

Environment, Health and Safety

Comprehensive, job-specific environment, health and safety (EH&S) training continued this month.

Customer Service

The current operating period was very successful for Customer Service in Middletown.

Some accomplishments include:

- Though the Customer Service counter remains closed to customers, customer service, and payments remain open via payment drop box, telephone, email and US Mail.
- Continued to track and update reports to meet the needs for data analysis, revenue forecasting, and reporting requirements.
- The meter reading cycle for water consumption in March was successfully completed on March 25th, 2022.
- Restarted the Delinquent Notification and Shut-Off Program which was previously suspended due to COVID-19
 - Sent 224, 10 day shut-off notices to accounts that were \$50 past due for the February 2022 billing period
 - Posted 57 properties with 3 day shut-off notices
 - Shut off 3 Occupied and 1 Vacant Property

Engineering and Capital Expense

A complete breakdown of the proposed projects and significant accomplishments for the Engineering and Asset Management areas are included in the Engineering section of this report. SUEZ Middletown will continue efforts to maintain operations at a high level of reliability, while monitoring unaddressed, identified capital projects that continue to accrue and if not implemented have the potential to impact future performance.

Conclusion

SUEZ continues to operate the Borough's water and sewer systems in compliance with Concession Agreement, Operating and Technical Standards.

MONTHLY OPERATIONS REPORT

SUEZ Middletown effectively provided all services as required in accordance with the Operating and Technical Standards as described in Schedule 4 of the Concession Agreement dated September 29, 2014, in accordance with Best Management Practices, and in accordance with all applicable Laws and regulations.

Wastewater Treatment Plant DMR

The eDMR for this reporting period was electronically submitted to the PADEP. A copy of the report and submittal verification is attached with Appendix A.

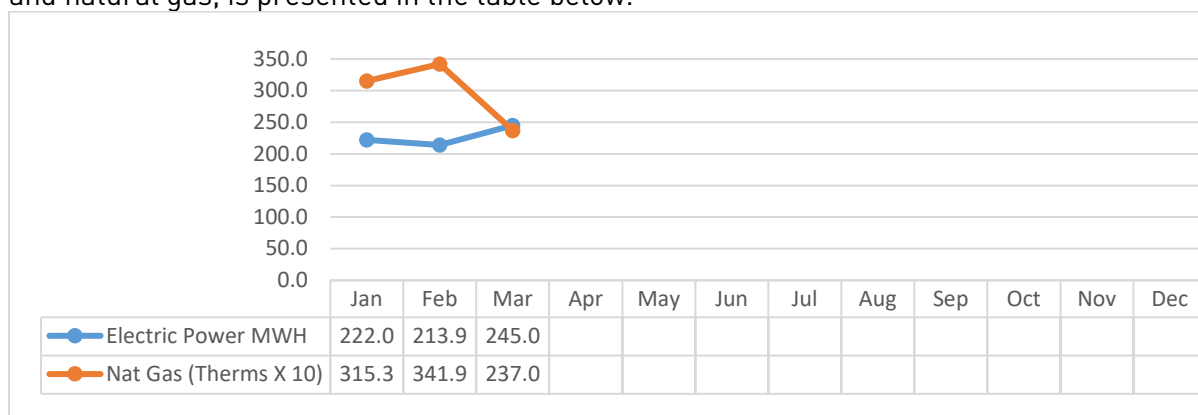
Quality Control Reporting

Written certification of Laboratory Quality Control is included with a copy of the monthly eDMR submittal and can be found in the Appendix to this report. No proficiency testing was required to be conducted this month.

Energy Management and Sustainability

Energy Use

Monthly energy used in operation of the water and wastewater systems, including electricity and natural gas, is presented in the table below.



*Note- The utility usage data from Engie is not released until the 28th of the following month.

Energy Efficiency Initiatives

Set up for utility use data collection and reporting has been implemented. Review of this data will continue as the data is compiled on a monthly basis. Long term initiatives currently being explored include the potential for solar and process efficiency improvements. SUEZ has developed the SPOT2023 initiative which, in part, looks to identify and implement Energy Efficiencies throughout operations.

Sustainability

Objectives for sustainability will be developed in the coming months.

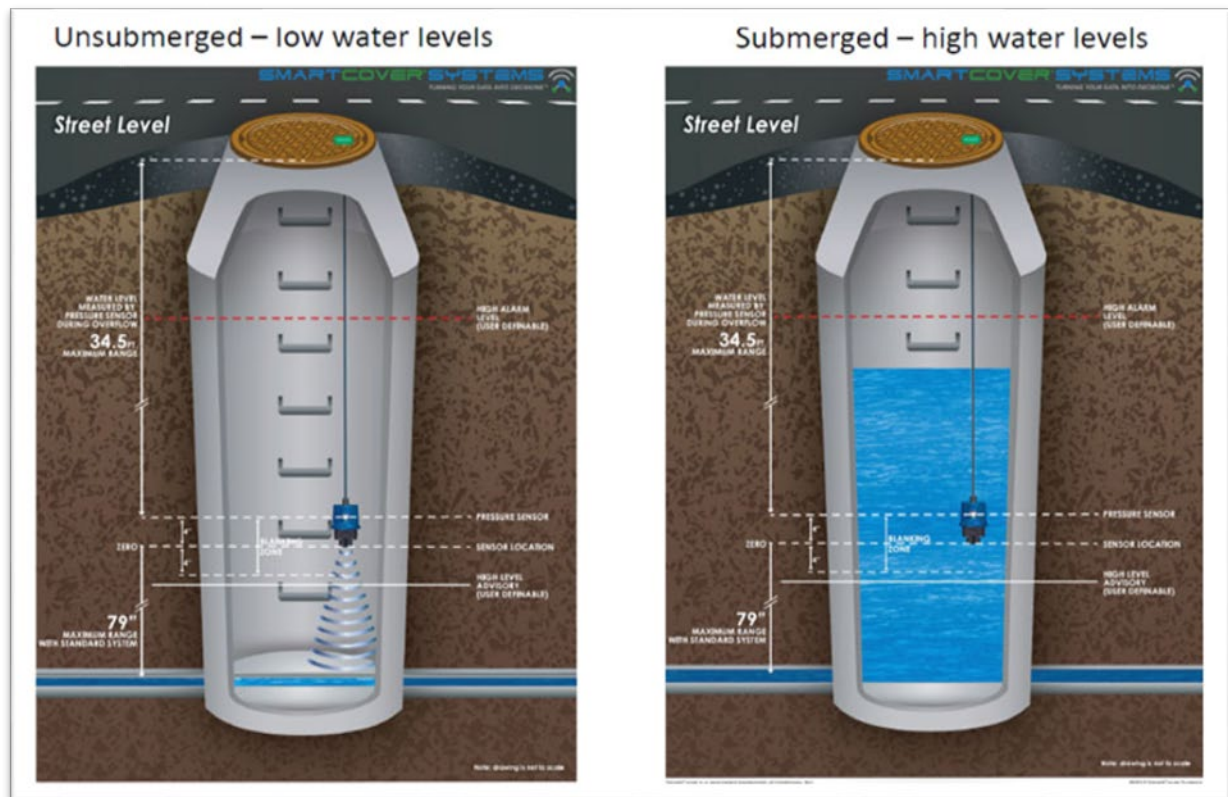
Water System and Wastewater Treatment Plant Maintenance

Equipment out of service during the month is listed in the table below.

System	Equipment	Process Location	Date Off Line	Reason for Taking Off Line	Date Returned to Service
Water	Well Pump	Well 4	2/26/21	Pump Failure	In Progress
Water	Fluoride Pump	Well 4	2/26/21	Pump upgrades and SCADA integration	Pending Upgrade
Water	Well Pump	Well 3	9/14/21	Pump Failure	In Progress
Water	Booster Pump 2	Pump Station	1/26/22	Pump Failure	In Progress
WWTP	Raw 2	Raw	2/7/22	Seal Failure	In Progress

Sanitary Sewer System

SmartCover® Sewer Monitoring System



Ultrasonic level sensor (on the left) and pressure transducer (on the right). The covers use level sensing technology to analyze sewer elevations throughout the monitored area. This technology is used to monitor and reduce sanitary sewer overflows (SSO's) at problematic locations. The SmartCovers installed in Middletown are located at the interceptor on Mill St. and the entrance to Hoffer Park and were installed to better monitor and reduce surcharges and prevent SSOs in the interceptor. In an effort to expand the monitoring areas within the system, two additional SmartCovers were installed in July 2021 at MH- 332 (East Main St) and MH 475A (East Water St).

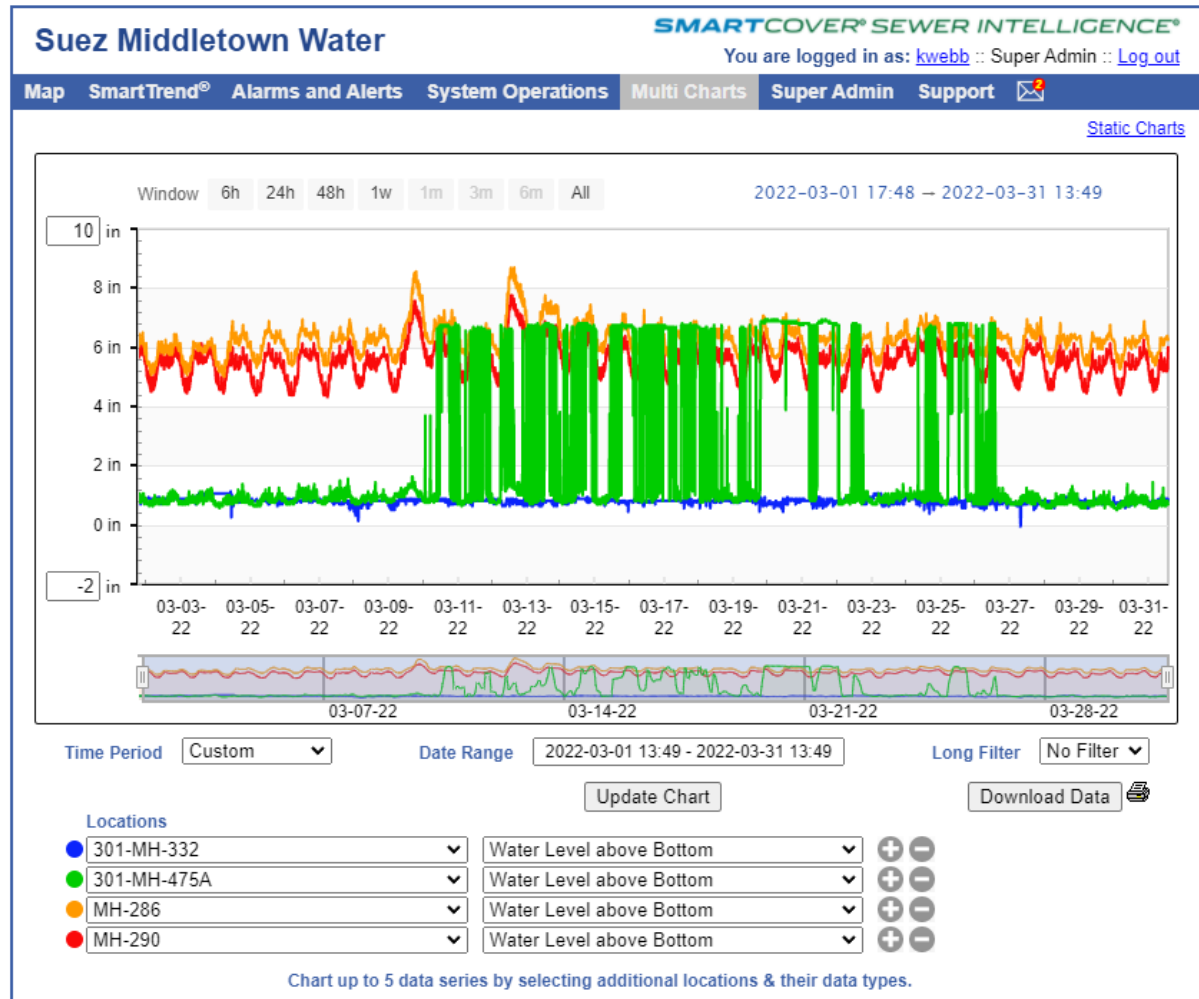
The SmartCover sensors were installed, in conjunction with a thorough cleaning of the interceptor, as part of the PA DEP Corrective Action Plan (CAP). Upon cleaning of the interceptor and installation of the sensors, we are now able to monitor surcharge conditions in "real-time". This data was also included in the Annual Chapter 94 Report/CAP Update which was submitted to PA DEP in early 2021.

There were false readings caused by debris at MH-286 in early February. This debris was removed and the sensor resumed normal readings. Maintenance was scheduled, but had to be delayed to early March due to weather.

Key Performance Indicators

Project Status Snapshot

The following table is a graphical representation of relative progress for each of four identified Key Performance Indicators (KPIs) for the wastewater collection and water transmission and distribution system.



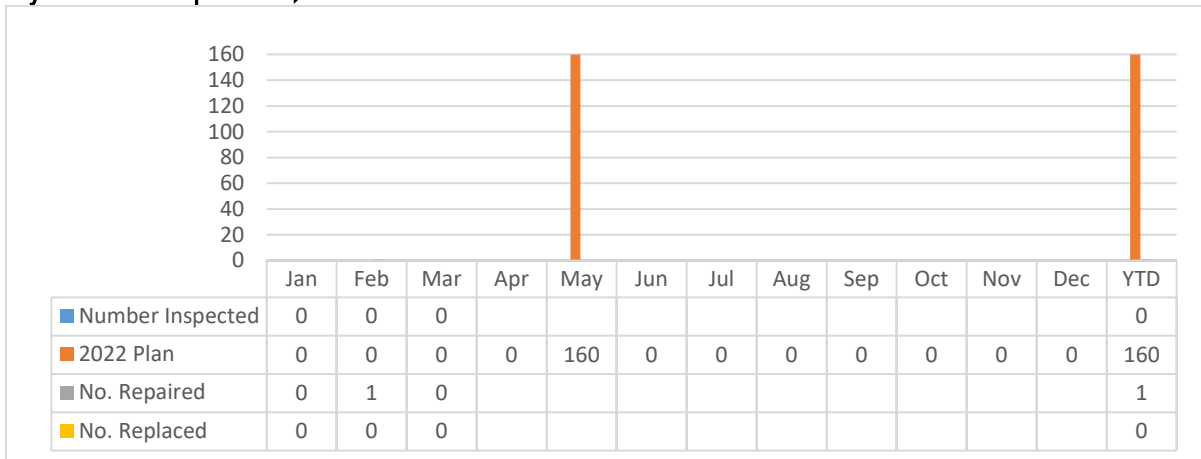
KPI	Hydrants Inspected	Main Valves Exercised	Ft Wastewater Mains Cleaned	Ft Water System Leak Detection
Last	0	0	0	0
Current	0	0	0	0
YTD	0	4	11170	0

On Target – Good Work	Caution	Significantly Behind Goal
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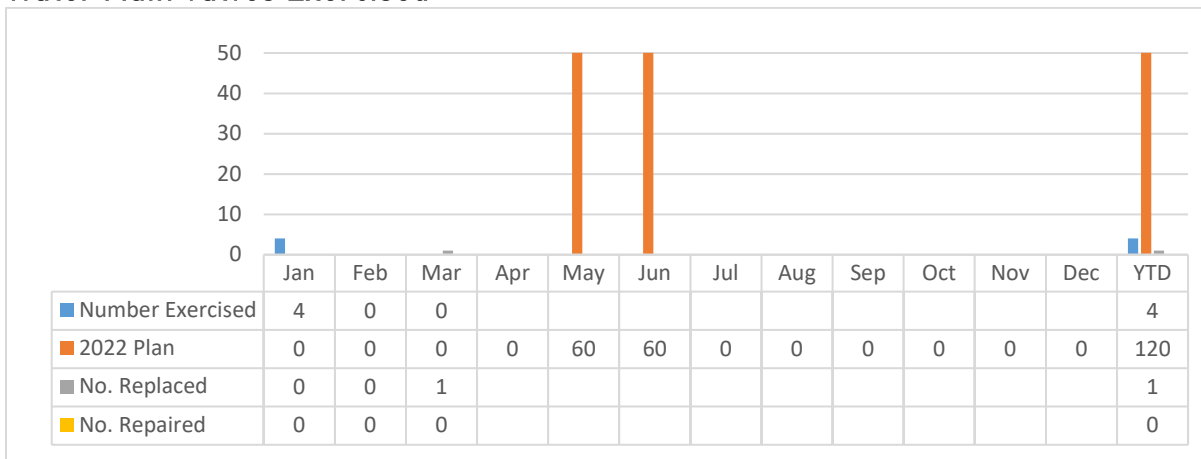
KPI Comments

- **Water Loss:** Identifying and reducing the system water loss has been a key focus for SUEZ. In an effort to identify and resolve the sources of water loss, we continue to (1) verify the accuracy of the billing system reports, (2) verify the production meter accuracy at each well site based on review of the quarterly calibration records, (3) test a representative sampling of meters/MIU's to ensure the integrity of the data being downloaded to the billing system and verify the accuracy of residential meters. We continue to identify and, when found, repair water leaks throughout the system. In addition, following AWWA guidelines and standards, SUEZ has identified and is in the process of testing and replacing 10% of the systems small meters, starting with the oldest meters.
- **Water Main Valves Exercised:** A comprehensive condition assessment program was part of the development of the asset management program. The program includes valve identification and location, condition assessment, exercising, determining the number and direction of turns, etc. Identifiers are being created using GIS data that was collected during the first phase of the project. Valves that have been identified in need of repair or replacement will be scheduled for repair or replacement over time based on operational priority of the valve.
- **Hydrants inspected and maintained:** The hydrant inspection and preventative maintenance program will be completed in conjunction with the annual water main and hydrant flushing program.
- **Sanitary Mains Cleaned/CCTV Inspected:** The 2021 CCTV requirement was completed in January 2022. Sanitary main cleaning and CCTV inspections will continue to meet the 2022 requirement.

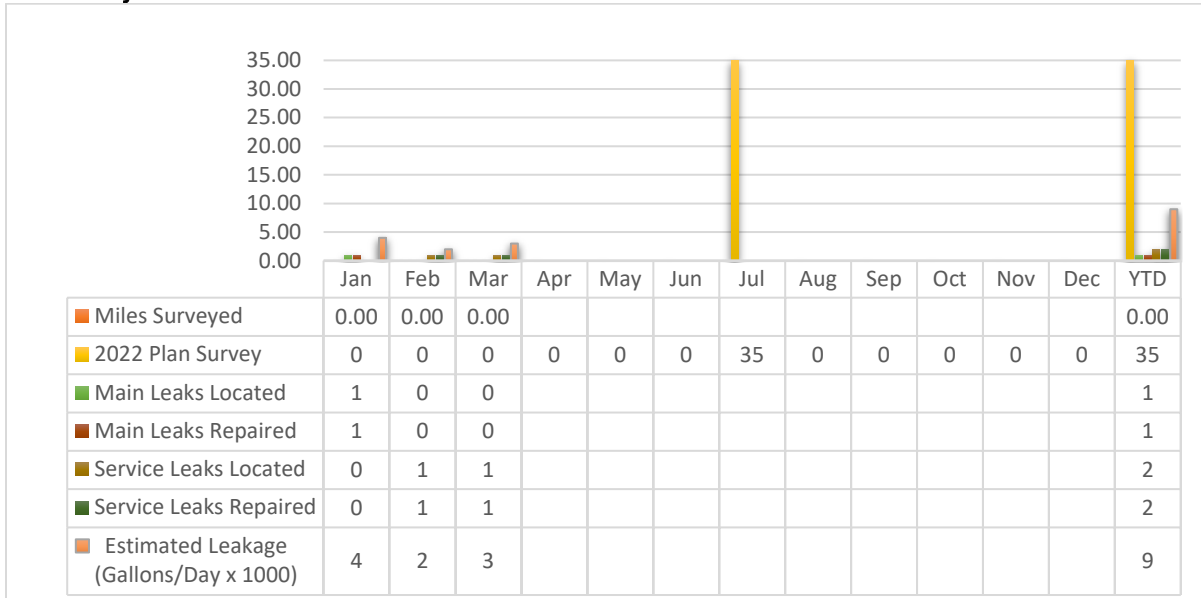
Hydrants Inspected, Tested and Flushed



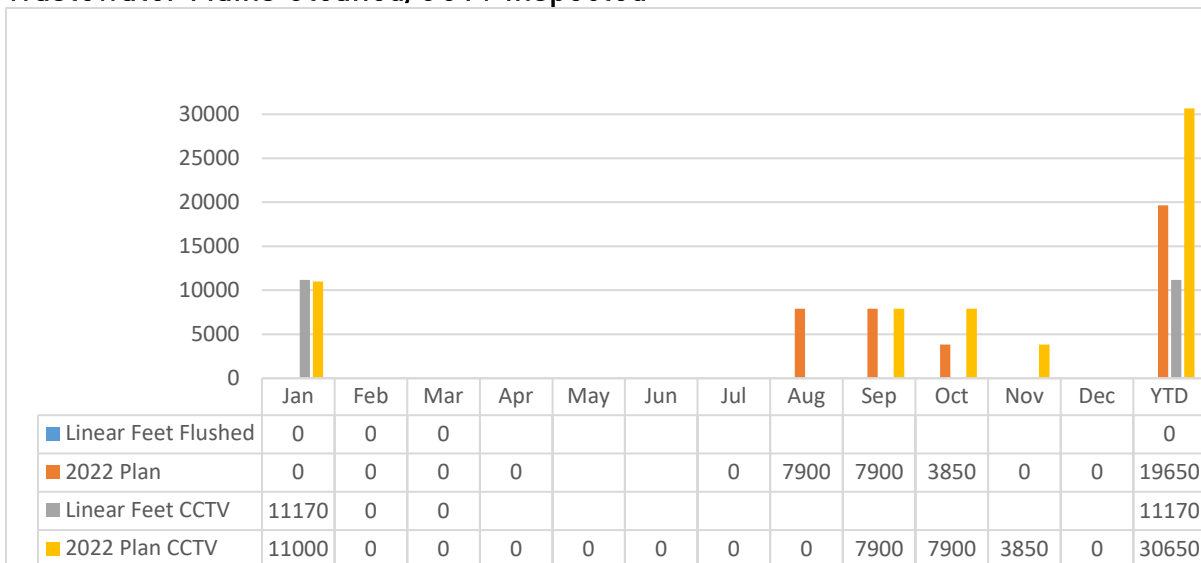
Water Main Valves Exercised



Water System Leak Detection

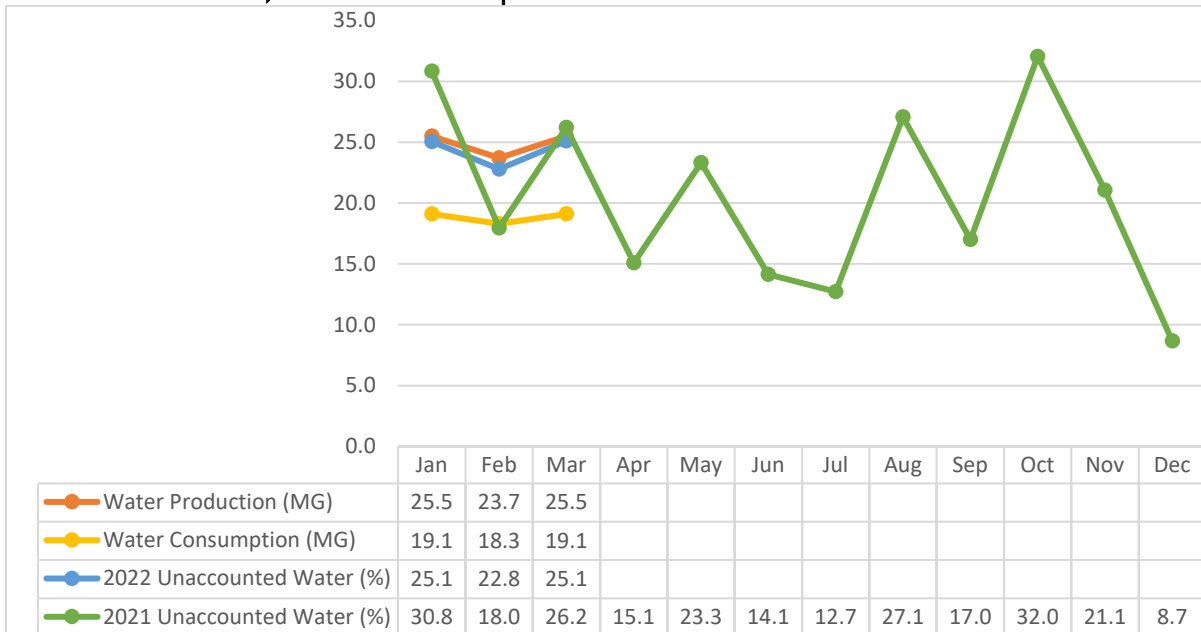


Wastewater Mains Cleaned/CCTV Inspected



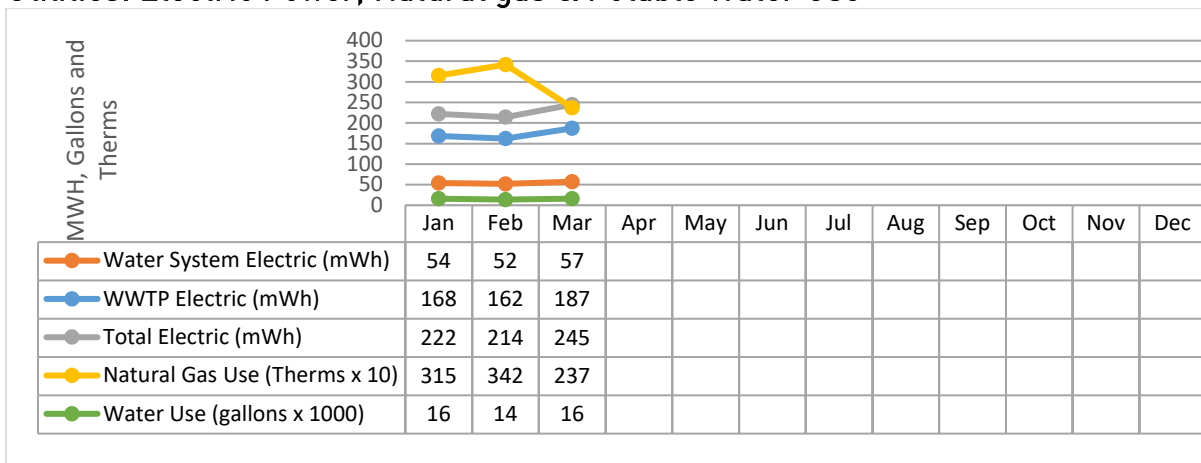
The approximately 11,000 feet of CCTV remaining from 2021 was completed in January 2022.

Water Production, Water Consumption and Unaccounted Water



Unaccounted for water calculation does not include unmetered, estimated flows used for firefighting, training and system maintenance and flushing activities. This is a nominal amount equating to approximately 1% to 2% of the unaccounted water volume. SUEZ is investigating the unaccounted for water fluctuations.

Utilities: Electric Power, Natural gas & Potable Water Use



Process Chemicals: Water and WWTP Treatment

Chemical	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Hypochlorite (Water)	gal	237	201	216										654
Hydrofluorosilic Acid	lbs	251	267	305										823
Alum	gal	1309	1274	1466										4049
Thickening Polymer	gal	45	65	64										174
Dewatering Polymer	gal	60	90	113										263
Chlorine (WWTP)	lbs	384	412	384										1180
Lime	lbs	3464	4692	5798										13954

Tank Inspection: Water and WWTP

A tank inspection schedule was developed and submitted to the Borough. The tank inspection reports will be maintained in the Project Managers office for review.

Nitrification Control Program

Currently there is no requirement or need for a nitrification control program at the facilities. SUEZ will continue to monitor the system for the need of a program and initiate accordingly.

Facility Security

There were no security issues or events during the month.

Meter Testing

A summary of Meter testing is provided in the table below. Quarterly testing and calibrations were completed on water and wastewater process meters, pursuant to the Concession Agreement and Operating Standards. Testing and calibration reports will be attached with the Appendix to this report as they occur.

SUEZ has contracted with National Meter to perform replacement and testing of approximately 270 of the oldest small meters within the distribution system each year. In 2021, 269 small meters were replaced. Small Meter Test Results have been added to the table below. Currently there is a 97% pass rate of the meters tested.

Meter Testing Summary

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
WWTP Process	1	0	0										1	0	0	0	1
Water Process	17	0	0										17	0	0	0	17
Interconnect/Large	0	0	0										0	0	0	0	0
Small Meter	0	0	1										1	0	0	0	1
TOTAL	18	0	1	0	0	0	0	0	0	0	0	0	19	0	0	0	19

Upcoming Month Operational Priorities

- Continue utilization of the eRPortal CMMS System to create and track work orders. and perform scheduled equipment maintenance.
- Continue to monitor and refine unaccounted Non-Revenue Water (NRW) losses.
- Continued focus on staff safe work practices and safety, especially concerning COVID-19.
- Univar Meter Replacement.
- Groundwater Elevation Plan and upgrades to well level sensor equipment.
- Upgrades to Chemical Feed Systems.
- Continue Well # 4 Pump Replacement.
- Safety Upgrades to water and wastewater systems.
- Assist in coordinating the day-to-day needs of the Capital Improvement Project.
- Triannual PA DEP water inspection.
- Continue painting hydrants as weather allows.

Customer Service

Highlights

SUEZ Middletown closed the the Customer Service Office and Administration building to customers and non essential visitors at the start of the COVID-19 pandemic. The JV submitted an application for the State's Low Income Housing Water Assistance Program (LIHWAP) in January which has since been accepted. Customers have been utilizing the LIHWAP program. At this time the window is still closed, but the telephone and drop box for payments remain open. Call volume increased in March with a total of 898 calls received. Call volume increased due to continued issues with local mail. All calls received by answering service or that were placed to the answering service after office hours were responded to.

The release of bill files for printing and mailing this month occurred in 3 days with bills for services provided March being mailed to customers on March 30th.

The average gross monthly collection rate for March was 90.69% and 100.79% for the last 12 month rolling average.

A focused effort continued this month to review idled meter accounts and identify locations where consumption was not zero. Based on this review and investigations at the service addresses the number of idle accounts was 31 accounts this month, which is the same as last month. There were no idle meters with consumption this month.

The number of Field Service Requests in March was 47. Field Service Requests have resumed due to lower COVID threat level.

In March of 2021, SUEZ implemented a new customer bill design. The re-design will help customers compare the current month's consumption to prior month's consumption. This re-designed format has resulted in an increased number of customers who have subscribed to Auto Pay. Prior to the re-design, we were averaging around 270 customers, now we are up to approximately 354 who have enrolled in the Auto Pay program.

Customer Service: Calls by Type

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	2021	2020
General Acct. Info	9	12	16										37	131	179
Bill Inquiry	210	99	176										485	934	764
Finals	14	9	20										43	173	182
New Account	12	7	11										30	98	91
Meter Reading/Re-Reads	0	0	2										2	0	5
Payments	562	597	584										1743	6127	5710
Collection Letter	9	47	56										112	168	56
Rates	0	5	2										7	30	14
Complaints	0	0	0										0	1	11
Sewer	0	0	0										0	12	17
Leaks	0	0	0										0	11	12
No/Low Water Pressure	0	0	0										0	6	10
Copy Of Bill	77	0	0										77	2	3
Correct. Bills	0	0	0										0	0	1
Mtr Change Out	0	0	0										0	1	0
Customer Correspondance	78	119	68										265	922	206
Discolored/Water Quality	0	0	0										0	0	1
Calls Referred to SUEZ Hbg	34	25	30										89	439	659
Calls from City / Other Org	0	0	0										0	1	0
Compliments	0	0	1										1	18	0
2022 TOTALS	1005	920	966	0	0	0	0	0	0	0	0	0	2891		
2021 TOTALS	697	659	779	759	726	772	719	781	803	866	799	714		9074	
2020 TOTALS	723	667	669	650	601	675	643	613	724	721	594	641			7921

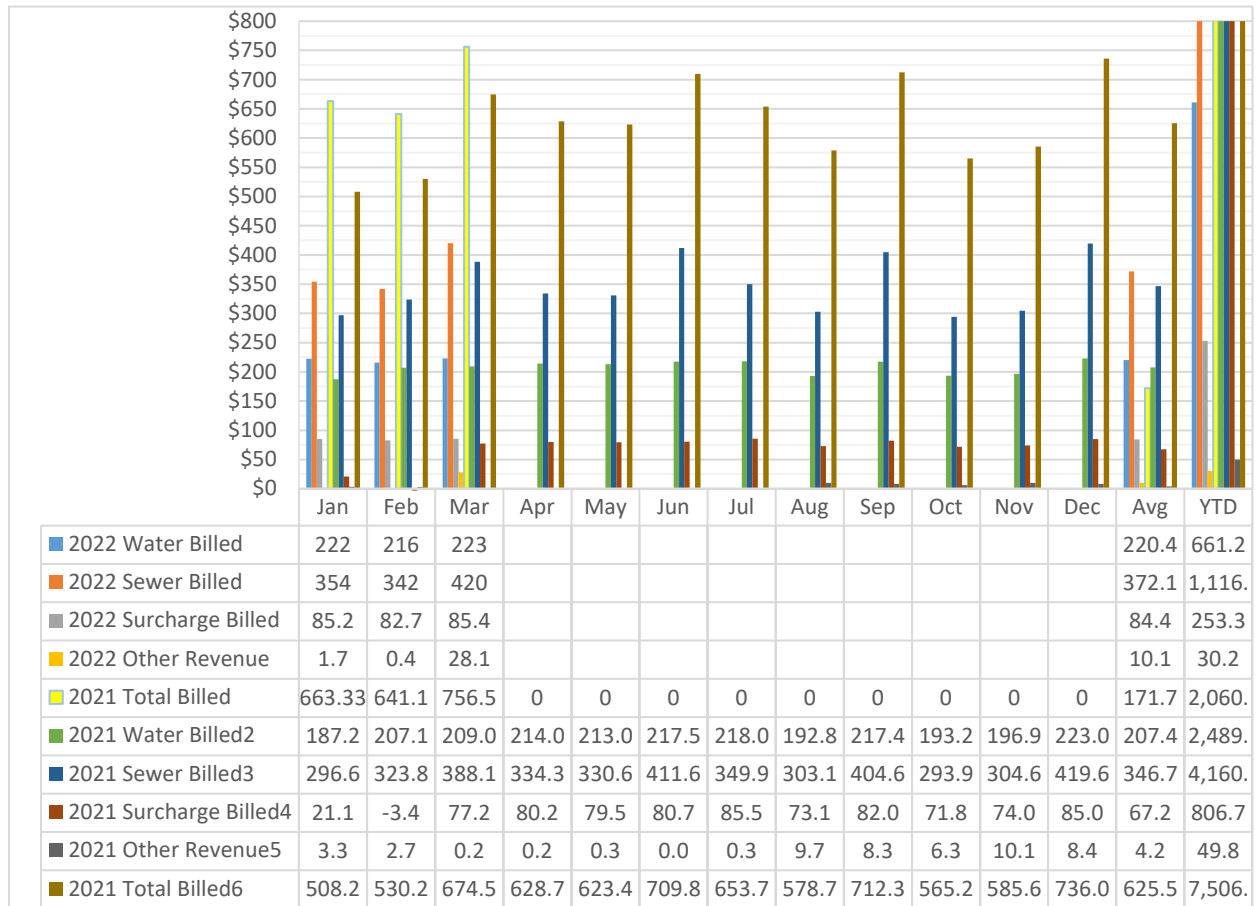
Note: Noise and personnel complaints are tracked under "Complaints" in the chart above.

Customer Service: Billing

All Neptune* meters continue to be read on the same day each month, if possible, and the organization of billing in 2 cycles with one group being all residential and the other group being all commercial/industrial accounts, was continued.

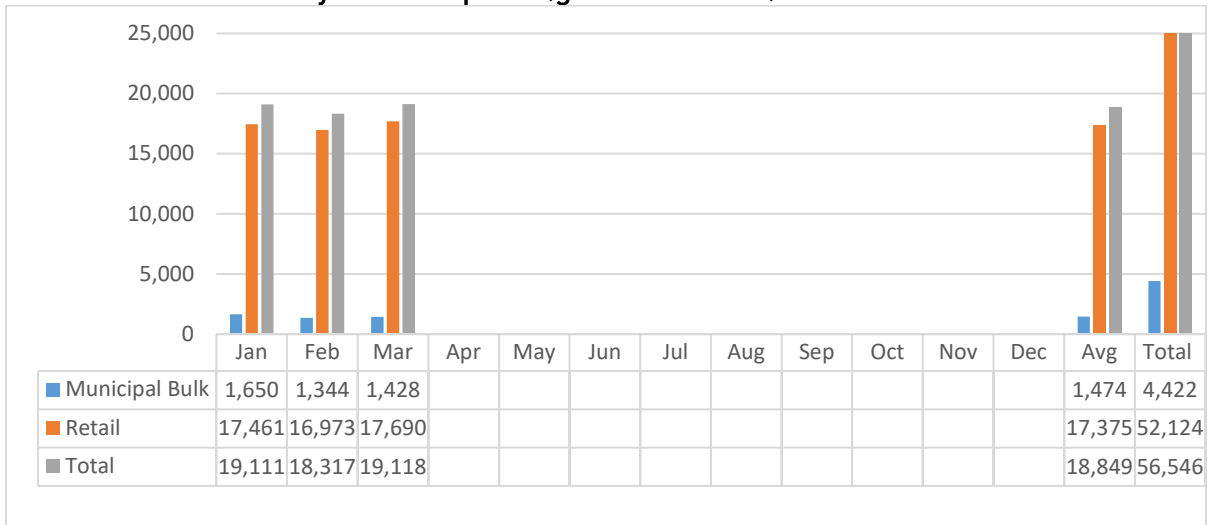
* Neptune is the meter manufacturer

Dollars Billed - Water and Sewer (dollars X1000)

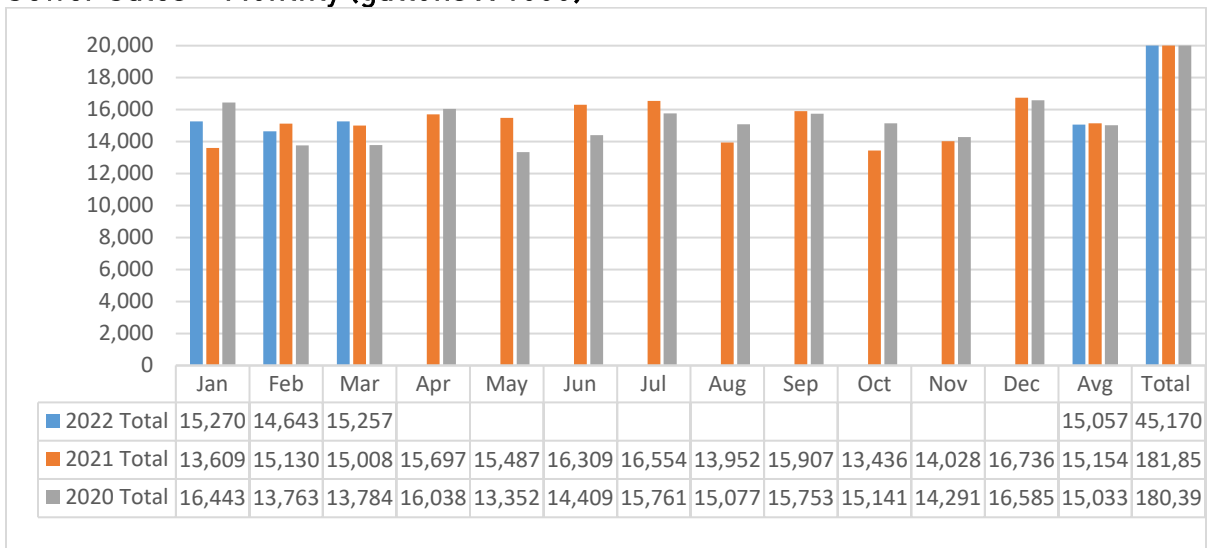


*Negative surcharge value was due to the prior surcharge collection period ending in February 2021.

Water Sales - Monthly Consumption (gallons X 1000)

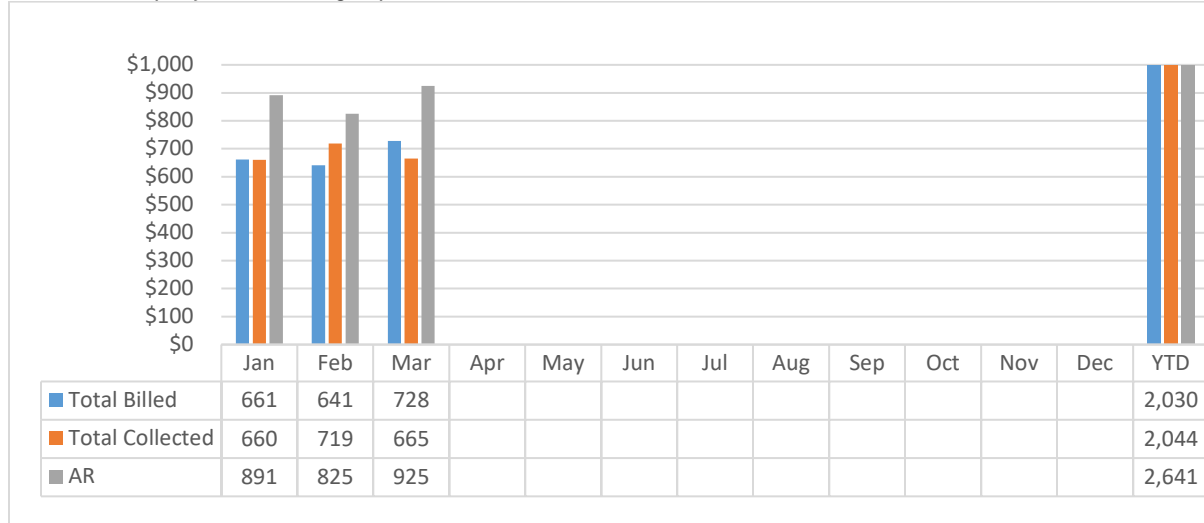


Sewer Sales - Monthly (gallons X 1000)

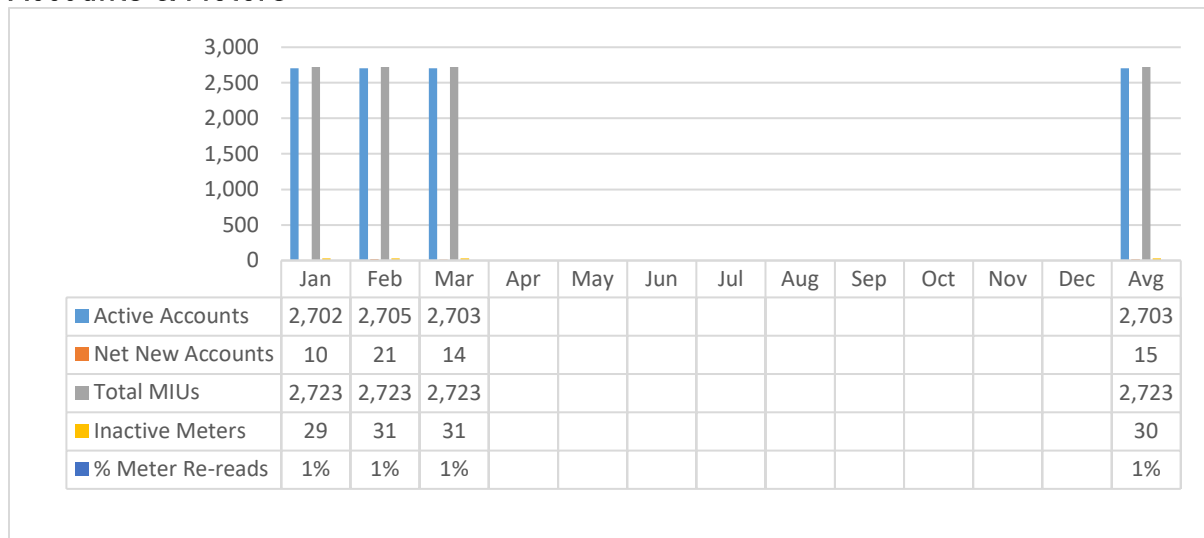


Collections (dollars X 1000)

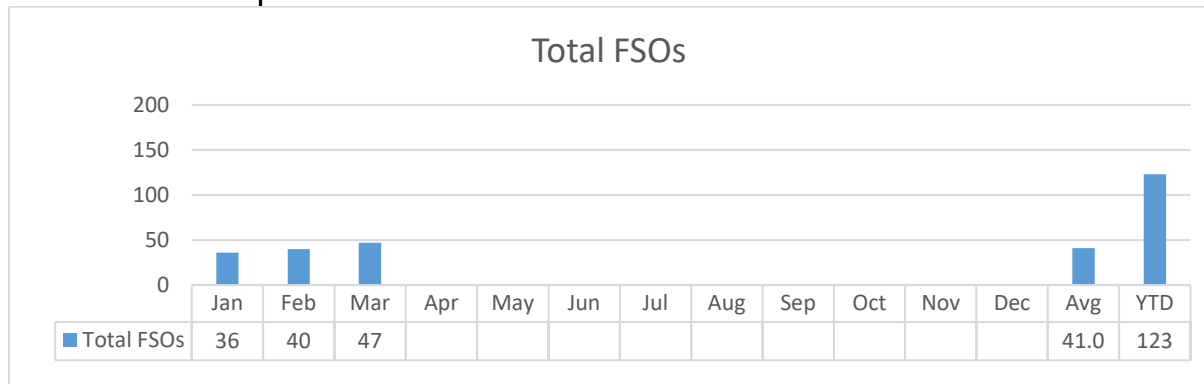
Collections on payment for water and sewer services occurred during the current month and are displayed on the graph below.



Accounts & Meters



Field Service Requests



Service Disruptions

A summary of service disruptions is provided in the table below.

Service Disruptions Summary

Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Planned	0	0	0										0	0	0	0	0
Unplanned	1	0	0										1	0	0	0	1
2022 TOTAL	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1

Water Quality

A summary of water quality complaints is provided in the table below.

Water Quality Complaints Summary

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Taste and Odor	0	0	0										0	0	0	0	0
Discolored	0	0	0										0	0	0	0	0
Boil Water Notices	0	0	0										0	0	0	0	0
2022 TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

There were no water quality complaints during the reporting period.

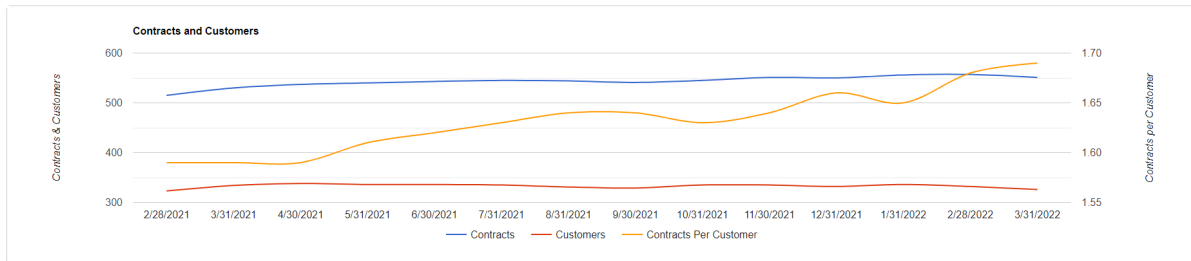
Sewer and Collection Issues

A summary of complaints related the the sewer and collection system is provide in the table below.

Sewer Quality Complaints Summary

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Back-up / Blockage	0	0	0										0	0	0	0	0
Odor	0	0	0										0	0	0	0	0
2022 TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 TOTAL	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	2

Home Serve USA



Additional HomeServe data for the reporting period can be found in Appendix 3

Next Month Customer Service Priorities

Research and compare potential customer online bill payment options, customer portal and customer usage notifications and make recommendation to the Borough.



**MIDDLETOWN WATER & WASTEWATER
OPERATIONS REPORT
FEBRUARY 2022**



Water Sales Test Period

Water Sales Test Period No. 3 1/1/2021 to 12/31/2023	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	
														Total	Avg
Total consumption for the month (gallons)	2021	16,984,200	19,701,800	19,964,700	20,521,000	20,409,700	20,950,100	20,557,500	17,545,400	20,495,500	17,656,500	18,017,900	21,191,200	233,995,500	19,499,625
	2022	19,111,100	18,317,500	19,119,800										56,548,400	18,849,467
	2023														
Billing Period (days)	2021	31	28	31	30	31	30	31	31	30	31	30	31	365	30
	2022	31	28	31	30	31	30	31	31	30	31	30	31	365	30
	2023	31	28	31	30	31	30	31	31	30	31	30	31	365	30
Retail Sales - Total month (gallons)	2021	15,296,100	17,196,300	17,228,700	17,859,000	17,758,400	18,244,700	18,891,300	15,949,100	18,758,400	15,998,500	16,473,400	19,348,500	209,002,400	17,416,867
	2022	17,460,800	16,973,300	17,690,900										52,125,000	17,375,000
	2023														
Retail Sales - Average Daily (gallons per day)	2021	493,423	614,154	555,765	595,300	572,852	608,157	609,397	514,487	625,280	516,081	549,113	624,145	6,878,152	573,179
	2022	563,252	606,189	570,674										1,740,115	580,038
	2023														
Avg retail water sales (gal)		528,337	610,171	563,219	595,300	572,852	608,157	609,397	514,487	625,280	516,081	549,113	624,145	4,309,134	576,609
Bulk Municipal Sales - Total month (gallons)	2021	1,688,100	2,505,500	2,736,000	2,662,000	2,651,300	2,705,400	1,666,200	1,596,300	1,737,100	1,567,000	1,544,500	1,842,700	24,902,100	2,075,175
	2022	1,650,300	1,344,200	1,428,900										4,423,400	1,474,467
	2023														
Bulk Municipal - Average Daily (gallons per day)	2021	54,455	89,482	88,258	88,733	85,526	90,180	53,748	51,494	57,903	50,548	51,483	59,442	821,253	68,438
	2022	53,235	48,007	46,094										147,336	49,112
	2023														
Avg Bulk Customer sales (gal)		53,845	68,745	67,176	88,733	85,526	90,180	53,748	51,494	57,903	50,548	51,483	59,442	484,295	58,775
Contract Daily Bulk Water Sales Upper Limit (gal/day) =															62,970
Bulk Sales Surplus (gal/day) =															No Surplus
Sum of Actual Average daily volume of Metered water sales to Retail Water Customers over Test period + Bulk Sales Surplus (gal/day) =															576,609
Contract Daily Water Sales Upper Limit (gal/day) =															639,340

Engineering and Capital Improvements

Capital improvement projects for the water and wastewater systems have been developed for 2022 and presented in the draft Five-Year Capex Plan to the Concessionaire and Borough. The projects are divided into Base CAPEX projects and Major CAPEX projects. Careful consideration is given when awarding projects to ensure that experienced and responsible contractors that meet the Responsible Contractor Policy are selected.

Proposed Base Capex Projects

Capital Projects from the Base CAPEX are listed below:

- Water/Wastewater Performance Evaluation: As part of a contractual obligation, SUEZ solicited HRG to provide professional engineering services to complete both the Water and Wastewater System Performance Evaluation.
- Well No. 3 Stripping Tower Rehabilitation Project: The project will entail the rehabilitation of the existing stripping tower, replacement of the media and the relocation of the blowers inside the building.
- ATAD & SNDR Reactors Instrumentation Replacement Project: The project will entail the procurement and installation of a new radar gauge, float switch with stainless steel bracket, and a new pressure transducer.
- Oxidation Ditch Instrumentation Replacement Project: The project will entail the procurement and installation of an ultrasonic level probe and a dissolved oxygen (D.O.) probe.
- Trench Opening Restoration Project: Project to perform roadway improvements based on the Borough's instructions and most recent roadway opening ordinance requirements
- WWTP Electrical Upgrades: Project to perform improvements on the electrical system within the WWTP
- Water and Wastewater Systems Miscellaneous Upgrades: Project to perform various water and wastewater systems upgrades based on condition assessment and routine inspections
- Safety Upgrades: Various environmental health and safety equipment replacement at the WWTP and well sites for safety compliance

Major CAPEX Projects

Major CAPEX projects will be planned and completed pursuant to the requirements of the Concession Agreement, and the AAA arbitration decision received in 2020. Note that in conjunction with the general requirements set forth in the Operating Standards (i.e. Schedule 4 of the Concession Agreement), the Concessionaire may implement Major Capex to meet emergency, health, safety and water quality requirements at its discretion, and in accordance with Good Engineering and Construction Practices. These projects, which the Concessionaire continues to study in conjunction with SUEZ, include, but are not limited to, Storage tank repairs and maintenance, Outfall rehabilitation, Headwork's evaluation, Railroad interceptor modifications and maintenance cleaning, replacement of raw pumps, new disinfection system for wastewater effluent and any Supply/Distribution system improvements.

As previously included and pursuant to the dispute resolution process (and as addressed during the August 2020 Operations Committee meeting), the Concessionaire is planning on implementing CAPEX projects required for the overall system, including but not limited to replacement of water mains in accordance with a revised 5-year capital improvement plan. The “2019 Underground Infrastructure Upgrades” project is fully completed with approximately 2,800 LF of water main replaced as of May 2021 and the project has been closed out. The next project, “2017/2020 Underground Infrastructure Upgrades” involves the replacement of approximately 5,200 LF of critical water mains in the system in addition to the replacement of approximately 1,000 LF of sewer system and upgrades of deteriorating sewer manholes. All the PA DOT permitting is secured for this project. A pre-construction meeting was held with HRG and EK Services in May 2021. EK Services is working with the Borough to secure the local road opening permits for construction. Due to delays in manufacturing and shipping reported by EK Services and characterized as force majeure (in the context of the Covid 19 pandemic), the construction start date was in October 2021.

The next project scheduled is the “2018/2021 Underground Infrastructure Upgrades” which involves approximately 5,000 LF of water main replacement in addition to the replacement of 1,000 LF of sewer system and upgrades of deteriorating sewer manholes. Recently, HRG reached the 90% design milestone. Approximately, 4,000 LF of sewer mains were CCTV’ed for condition assessment and a presentation of the video footage and the analysis with recommendations were delivered at the August 2021 Operating Committee meeting. The project design was completed in October 2021.

As previously discussed during the monthly operations meetings and included in the DRAFT Capital Improvement Plan submitted on March 12, 2020, The Concessionaire is planning the rehabilitation of the three (3) water storage tanks in the water system. The design documents were completed (by the SUEZ Engineering Department) and the required PADEP Permitting application for the High Street Tank was secured as of July 2021 for the High Street Tank. The project was advertised for bid proposals in July 2021 and only 2 bid proposals were received. The project went out for rebid in October 2021 with a target start date in March 2022 and will be distributed to more potential vendors to receive competitive pricing. Due to the re-bid and weather conditions not allowing re-coating work in winter, the High Street Tank is anticipated to be rehabilitated in Q2 of 2022 followed with the Union St Tank in fall of 2022 and the Turnpike Tank in spring 2023. The permit for the High Street tank has been approved by PA DEP. The permits for Union St Tank and Turnpike Tank are currently under review by PA DEP.

Capital Improvement Plan

The following DRAFT Capital Improvement Plan was submitted on February 28, 2022.

**MIDDLETOWN WATER & WASTEWATER
OPERATIONS REPORT
MARCH 2022**



SEWER COLLECTION, CONVEYANCE, & TREATMENT FACILITIES
DRAFT - 5 Year Capital Improvements Plan (2022-2027)
February 28, 2022

2022 and 5 YEAR CAPITAL IMPROVEMENT PLAN							
	2021	2022	2023	2024	2025	2026	2027
BASE CAPITAL IMPROVEMENTS							
Headworks Wet Well Pump and Tank Rehabilitation Project	-		\$ 45,000	\$ -			
Well No. 4 Rehabilitation Project	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ 70,000	\$ -
Well No. 3 Stripping Tower Rehabilitation Project	\$ 15,000	\$ -	\$ -	\$ -			
Well Upgrades (Pumps, controls, automation)		\$ 122,000	\$ 38,000				
Ventilation of ATAD Building Project	\$ -	\$ -	\$ 50,000	\$ -			
Fire Alarm System Design Project	\$ -	\$ -	\$ -	\$ -			
Chlorine Analyzer Replacement Project	\$ -	\$ -	\$ -	\$ -			
Blower Building Instrumentation Replacement Project	\$ -			\$ 10,000			
SCADA Upgrade Project	\$ -	\$ -	\$ -	\$ 25,000			
WAS Storage Tank Instrumentation Replacement Project	\$ -	\$ -	\$ -	\$ 15,000			
Biofilter Instrumentation Replacement Project	\$ -	\$ -	\$ -	\$ -			
ATAD & SNDR Reactors Instrumentation Replacement Project	\$ 14,500	\$ 14,500	\$ 11,500	\$ -			
Headworks Instrumentation Replacement Project	\$ -	\$ -	\$ -	\$ 27,000			
Biosolids Processing Instrumentation Replacement Project	\$ -	\$ -	\$ -	\$ -			
Oxidation Ditch Instrumentation Replacement Project	\$ 40,000	\$ -	\$ -	\$ -			
Scum Pump Station Instrumentation Replacement Project	\$ -	\$ -	\$ -	\$ -			
WWTP Facilities Security Upgrades Project	\$ -	\$ -		\$ -	\$ 30,000	\$ 20,000	\$ 20,000
Well Facilities Security Upgrades Project	\$ -	\$ -		\$ -	\$ -	\$ 20,000	\$ 20,000
Well Evaluation and Upgrades Project	\$ -	\$ -	\$ -	\$ -			
Trench Opening Restoration Project	\$ 70,150	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Water and WWTP System Evaluations	\$ 28,750	\$ 28,750	\$ 28,750	\$ 28,750	\$ 30,000	\$ 30,000	\$ 30,000
WWTP Electrical Upgrades	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
WWTP Safety Compliance Project	\$ -	\$ -	\$ -	\$ 50,000			
Water and Wastewater Systems Miscellaneous Upgrades	\$ 180,000	\$ 170,000	\$ 170,000	\$ 150,000	\$ 162,000	\$ 160,000	\$ 235,000
Safety Upgrades	\$ 10,600	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000	\$ 20,000
TOTAL BASE CAPITAL IMPROVEMENTS *	\$ 359,000	\$ 385,250	\$ 393,250	\$ 380,750	\$ 387,000	\$ 395,000	\$ 400,000
PROPOSED YEARLY BUDGET FOR BASE CAPITAL PROJECTS **	\$ 368,367	\$ 385,312	\$ 403,037	\$ 421,576	\$ 440,969	\$ 461,253	\$ 482,471
MAJOR CAPITAL IMPROVEMENTS							
	2021 *	2022 *	2023 *	2024 *	2025 *	2026 *	2027 *
Underground Infrastructure Replacements (2023 - 2026)	\$ -	\$ -	\$ 2,394,090	\$ 2,394,090	\$ 2,394,090	\$ 2,394,090	\$ 2,394,090
Underground Infrastructure Replacements (2016)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2017)	\$ 275,074	\$ 1,157,425	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2018)	\$ 49,500	\$ 1,596,000	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2019) ***	\$ 268,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2020)	\$ 275,074	\$ 1,157,425	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2021)	\$ 49,500	\$ 1,596,000	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2022)	\$ -	\$ 30,333	\$ 2,287,000	\$ -	\$ -	\$ -	\$ -
Water Storage Tank Rehabilitation - Union Street	\$ -	\$ -	\$ 1,309,083	\$ -	\$ -	\$ -	\$ -
Water Storage Tank Rehabilitation - High Street	\$ -	\$ 1,216,988	\$ -	\$ -	\$ -	\$ -	\$ -
Water Storage Tank Rehabilitation - Turnpike	\$ -	\$ 955,938	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency (5%)	\$ -	\$ 276,859	\$ 234,054	\$ 119,704	\$ 119,704	\$ 119,704	\$ 119,704
TOTAL MAJOR PROJECTS	\$ 917,148	\$ 7,986,967	\$ 6,224,227	\$ 2,513,794	\$ 2,513,794	\$ 2,513,794	\$ 2,513,794
REGULATORY COMPLIANCE							
WWTP Effluent Outfall Rehabilitation ****			\$ 356,500				
TOTAL CAPEX	\$ 1,285,515	\$ 8,372,279	\$ 6,983,764	\$ 2,935,370	\$ 2,954,763	\$ 2,975,047	\$ 2,996,265

Environment, Health & Safety

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
Environmental Incidents – Regulatory (PADEP/USEPA) notifications	0	0	0										0
Concessionaire Notifications	0	0	0										0
Incident Email Notifications	0	0	0										0
Environmental Incidents – Appletree Hotline notifications	0	0	0										0
Environmental Incidents – Appletree Hotline notifications/chemical spills	0	0	0										0
Non-compliance – violations	0	0	0										0
Reporting non-compliance	0	0	0										0
Safety related incidents – OSHA lost time	0	0	0										0
Total days lost	0	0	0										0
Safety related incidents – Preventable	0	0	0										0
Safety related – Near Miss	0	0	0										0
Employee lost-time – not job-related – total as sick hours	73.5	16	16										105.5

On Target	Caution	Meets/Exceeds Target
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SUEZ MIDDLETOWN
453 South Lawrence Street
Middletown, PA 17057
717-948-3055



April 29, 2022

Mr. Kenneth Klinepeter
Borough of Middletown
kklinepeter@middletownborough.com

Mr. Dan Sugarman
Water Capital Partners LLC
dan.sugarman@wcpartnersllc.com

Mr. John Joyner
Water Capital Partners LLC
john.joyner@wcpartnersllc.com

Mr. Don Correll
Water Capital Partners LLC
don.correll@wcpartnersllc.com

RE: Laboratory Supervisor Certification – March 2022

Pursuant to Section 6.3 - Quality Control Reporting of the Operating Standards:

"I hereby certify that the analytical results reported in this NPDES Discharge Monitoring Report were obtained from analyses performed in accordance with the methods approved under 40 CFR 136, and that the appropriate quality control measures contained in the approved Quality Manual were strictly followed."

Kodi Webb
Project Manager
Suez Middletown

SUEZ MIDDLETOWN
453 South Lawrence Street
Middletown, PA 17057
717-948-3055



April 29, 2022

Mr. Kenneth Klinepeter
Borough of Middletown
kklinepeter@middletownborough.com

Mr. Dan Sugarman
Water Capital Partners LLC
dan.sugarman@wcpartnersllc.com

Mr. John Joyner
Water Capital Partners LLC
john.joyner@wcpartnersllc.com

Mr. Don Correll
Water Capital Partners LLC
don.correll@wcpartnersllc.com

RE: Environmental Laws Certification- March 2022

Pursuant to Section 7.1(c) (iii) - Violations and Reports of the Operating and Maintenance Agreement:

"I hereby certify that, to the best of my knowledge, the Water and Wastewater systems were operated in accordance with existing permits and Local, State and Federal environmental laws."

A handwritten signature in dark ink that reads "Kodi Webb".

Kodi Webb
Project Manager

MIDDLETOWN MONTHLY REPORT

APPENDIX 1 WASTEWATER

MIDDLETOWN WWTP MONTHLY DISCHARGE MONITORING REPORT (eDMR) SUBMISSION SUPPLEMENTAL WWTP PROCESS CONTROL & OPERATIONAL DATA

&

SMARTCOVER® MONITORING SYSTEM REPORT

Webb, Kodi (RED)

From: depgreenporthelpdesk@state.pa.us
Sent: Tuesday, April 19, 2022 1:14 PM
To: kodi.webb@veolia.com; mitchell.swartz@suez-na.com; jesse.randles@suez.com;
kodi.webb@veolia.com; gene.lank@suez.com
Subject: Your eDMR Report Has Been Received For Permit No. PA0020664

This email is to confirm that the following report was received by DEP through the eDMR system:

Facility Name: MIDDLETOWN STP
Permit Number: PA0020664
Report Frequency: Monthly
Report Type: DMR
Reporting Period: 03/01/2022-03/31/2022
Report Due Date: 04/28/2022

Submitted By: Kodi Webb
Submission Id: 323424
Submission Status: Received
Submission Type: Original

To view the details of this report, access the eDMR system through DEP's [GreenPort](#) and select the link for View/Revise Submitted.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: MIDDLETOWN WATER JT VENTURE LLC
ADDRESS: 9W 57TH ST STE 4200, NEW YORK NY, 10019
FACILITY: MIDDLETOWN STP
LOCATION: 453 S LAWRENCE ST, MIDDLETOWN PA, 17057-1132
STAGE: Final Effluent

PA0020664
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 03/01/2022
DMR Effective To: 03/31/2022
Permit Expires: 02/28/2026
Permit Application Due: 09/01/2025
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2022	03	01	TO	2022	03	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	8.34	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Daily Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	7.4	***	7.6	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	< 56	94	lbs/day	***	< 6.0	10.0	mg/L	2/week	24-Hr Composite
	Permit Requirement	550 Avg Mo	826 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		2/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 3.12	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	< .05	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .92	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	< 2.2	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	1.0	***	lbs/day	***	.16	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	37 Avg Mo	***		***	2.0 Avg Mo	***		2/week	24-Hr Composite
Flow (50050)	Sample Measurement	1.230	1.866	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.3	.52	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.6 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 917	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 16.5	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 268.6	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	< 648.3	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	46.4	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	< 3.0	46.0	No./100 ml	2/week	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 IMAX		2/week	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	< 36	< 56	lbs/day	***	< 4.0	< 6.0	mg/L	2/week	24-Hr Composite
	Permit Requirement	459 Avg Mo	734 Wkly Avg		***	25.0 Avg Mo	40.0 Wkly Avg		2/week	24-Hr Composite
Facility Sampling Point Comments										



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: MIDDLETOWN WATER JT VENTURE LLC
ADDRESS: 9W 57TH ST STE 4200, NEW YORK NY, 10019
FACILITY: MIDDLETOWN STP
LOCATION: 453 S LAWRENCE ST, MIDDLETOWN PA, 17057-1132
STAGE: Effluent Net

PA0020664
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 03/01/2022
DMR Effective To: 03/31/2022
Permit Expires: 02/28/2026
Permit Application Due: 09/01/2025
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2022	03	01	TO	2022	03	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 917	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	46.4	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Facility Sampling Point Comments										



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: MIDDLETOWN WATER JT VENTURE LLC
ADDRESS: 9W 57TH ST STE 4200, NEW YORK NY, 10019
FACILITY: MIDDLETOWN STP
LOCATION: 453 S LAWRENCE ST, MIDDLETOWN PA, 17057-1132
STAGE: Raw Sewage Influent

PA0020664
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 03/01/2022
DMR Effective To: 03/31/2022
Permit Expires: 02/28/2026
Permit Application Due: 09/01/2025
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2022	03	01	TO	2022	03	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	2197	2500	lbs/day	***	234	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	2133	3851	lbs/day	***	226	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Facility Sampling Point Comments										



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
3-22 Influent Supplemental.xls	Influent and Process Control Form	2022-04-12T13:15:52-04:00	
2022 Annual_Chesapeake_Bay_Spreadsheet_v2.2 .xlsm	Annual Chesapeake Bay Spreadsheet	2022-04-12T13:11:47-04:00	
3-22 Biosolids.xls	Sewage Sludge / Biosolids Production and Disposal Form	2022-04-12T13:10:50-04:00	
3-22 Effluent Supplemental.xlsx	Daily Effluent Monitoring Form	2022-04-12T13:11:09-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Gene A. Lank II	246163	(717)-471-1813

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Kodi Webb	TELEPHONE		DATE		
kwebb2			(717)	209-2736	2022	04	19
			SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: Middletown STP
Municipality: Middletown Borough County: Dauphin
Watershed: 7-C

Month: March Year: 2022
NPDES Permit No.: PA0020664
Renewal application due 180 days prior to expiration.
This permit will expire on: February 28, 2026

Day	Influent					Process Control				
	Flow (MGD)	BOD ₅ (mg/l)	BOD ₅ (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	1.1663	251.0	2,441	202.0	1,965	4,985.0		22,000.0		
2	1.1506					4,803.0		20,000.0		
3	1.1759					5,041.0		21,000.0		
4	1.1414					4,660.0		21,000.0		
5	1.0374							20,000.0		
6	1.0103							20,000.0		
7	1.0916	199.0	1,812	423.0	3,851	4,958.0		23,000.0		
8	0.9997	256.0	2,134	226.0	1,884	4,780.0		25,000.0		
9	1.616					4,643.0		20,000.0		
10	1.248					4,607.0		20,000.0		
11	1.1754					4,423.0		20,000.0		
12	1.7577							20,000.0		
13	1.4946							20,000.0		
14	1.3173	141.0	1,549	228.0	2,505	4,794.0		22,000.0		
15	1.1888	251.0	2,489	166.0	1,646	4,663.0		20,000.0		
16	1.1541					4,991.0		22,000.0		
17	1.2196					4,671.0		18,000.0		
18	1.1461					4,829.0		20,000.0		
19	1.1952							20,000.0		
20	1.1756							20,000.0		
21	1.1506	259.0	2,485	132.0	1,267	5,011.0		24,000.0		
22	1.0822	277.0	2,500	180.0	1,625	4,835.0		23,000.0		
23	1.3139					4,469.0		23,000.0		
24	1.3274					4,777.0		20,000.0		
25	1.2458					4,813.0		22,000.0		
26	1.166							20,000.0		
27	1.1863							20,000.0		
28	1.1538	243.0	2,338	264.0	2,540	4,491.0		20,000.0		
29	1.074	226.0	2,024	214.0	1,917	4,508.0		20,000.0		
30	1.087					4,648.0		20,000.0		
31	1.8663					4,653.0		20,000.0		
Avg	1.23	234	2,197	226	2,133	4,741		20,839		
Max	1.866	277	2,500	423	3,851	5,041		25,000		

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Gene A. Lank II
Title: Operator

License No.: 246163
Date: 4/12/2022

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

Facility Name: Middletown STP
Municipality: Middletown Borough County: Dauphin
Watershed: 7-C
Laboratories: M. J. Reider/Suez Middletown

Month: 3 (select number) Year: 2022
Permit No.: PA0020664 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: February 28, 2026

Parameter			Flow	pH	Dissolved Oxygen	TRC	CBOD5	TSS	Fecal Coliform	NH3-N	Total Phosphorus								
Stage			1	1	1	1	1	1	1	1	1								
Week	Day	Date	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	CFU/100 ml	Q	mg/L	Q	mg/L	Q	
1	Sun	2/27/22	1.323																
	Mon	2/28/22	1.308																
	Tue	3/1/22	1.166		7.5	9.06	0.41		2.0	<	0.02				0.14				
	Wed	3/2/22	1.151		7.5	9.07	0.4		<	2.0									
	Thu	3/3/22	1.176		7.5	8.92	0.4												
	Fri	3/4/22	1.141		7.4	9.14	0.37												
	Sat	3/5/22	1.037		7.4	9.15	0.26												
2	Sun	3/6/22	1.010		7.5	8.93	0.24												
	Mon	3/7/22	1.092		7.5	8.85	0.24												
	Tue	3/8/22	1.000		7.6	9.13	0.3	<	2.0	<	1.0	<	2.0	<	0.02		0.15		
	Wed	3/9/22	1.616		7.5	8.93	0.3		<	2.0									
	Thu	3/10/22	1.248		7.4	9.17	0.27												
	Fri	3/11/22	1.175		7.4	9.13	0.31												
	Sat	3/12/22	1.758		7.5	8.8	0.32												
3	Sun	3/13/22	1.495		7.4	9.48	0.27												
	Mon	3/14/22	1.317		7.4	9.22	0.32								0.14		0.12		
	Tue	3/15/22	1.189		7.4	9.03	0.29		4.7	2.0		46.0		0.03		0.15			
	Wed	3/16/22	1.154		7.4	8.87	0.39					15.0							
	Thu	3/17/22	1.220		7.4	8.71	0.29												
	Fri	3/18/22	1.146		7.4	8.71	0.34												
	Sat	3/19/22	1.195		7.4	8.54	0.24												
4	Sun	3/20/22	1.176		7.5	8.53	0.31												
	Mon	3/21/22	1.151		7.5	8.83	0.29		3.9					0.06		0.16			
	Tue	3/22/22	1.082		7.5	8.57	0.38		3.6	7.0	<	2.0		0.03		0.2			
	Wed	3/23/22	1.314		7.5	8.5	0.52				<	2.0							
	Thu	3/24/22	1.327		7.4	8.57	0.28												
	Fri	3/25/22	1.246		7.5	8.64	0.25												
	Sat	3/26/22	1.166		7.5	8.34	0.31												
5	Sun	3/27/22	1.186		7.6	8.83	0.38												
	Mon	3/28/22	1.154		7.5	8.92	0.24	<	2.0					0.06		0.19			
	Tue	3/29/22	1.074		7.5	9.09	0.4		2.0					0.11		0.18			
	Wed	3/30/22	1.087		7.5	8.95	0.41				<	2.0							
	Thu	3/31/22	1.866		7.4	8.62	0.26												
	Fri	4/1/22	1.760																
	Sat	4/2/22	1.438																
Statistics for DMR																			
Daily Minimum (Conc.):					7.4		8.34		0.24	<	2	<	1	<	2	<	0.02		0.12
Daily Maximum (Conc.):					7.6		9.48		0.52		10.4		13		46		0.14		0.2
Max Avg Weekly (Conc.):							9.07		0.4	<	6		10				0.09		0
Avg Monthly (Conc.):							8.88		0.3	<	4	<	6				0.05		0.16
Geometric Mean (Conc.):																			
Max Avg Weekly (Load):							95		4	<	56		94				0.9		2
Avg Monthly (Load):							91		3	<	36	<	56				0.5		1
Total Monthly (Load):							38.114942		102	<	1129	<	1744				16		46
Daily Minimum (Load):							0.999716		75		2	<	17		8		0.2		1
Daily Maximum (Load):							1.866344		134		6		95		125		2		2

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Prepared By: Gene A. Lank II License No.: 246163
Title: Operator Date: 4/12/2022

11/15/21	1.163		0.17		1.6	<	0.02	<	0.2	<	0.5	<	4.8	<	2.1	<	20.4	<	2.60	<	25.2
11/16/21	1.050		0.14		1.2	<	0.02	<	0.2		1.2		10.7	<	2.3	<	20.0	<	3.50	<	30.6
11/17/21	1.058																				
11/18/21	1.077																				
11/19/21	1.044																				
11/20/21	0.982																				
11/21/21	1.014																				
11/22/21	1.062		0.16		1.4	<	0.02	<	0.2		0.9		7.8	<	1.9	<	17.2	<	2.82	<	25.0
11/23/21	0.929		0.15		1.2		0.13		1.0		0.6		4.5	<	1.9	<	14.9	<	2.50	<	19.4
11/24/21	0.955																				
11/25/21	0.916																				
11/26/21	0.894																				
11/27/21	0.905																				
11/28/21	0.954																				
11/29/21	1.009		0.14		1.2		0.02		0.2	<	0.5	<	4.2	<	2.3	<	19.1	<	2.77	<	23.3
11/30/21	0.903		0.16		1.2		0.02		0.2	<	0.5	<	3.8	<	2.4	<	17.7	<	2.85	<	21.5
12/1/21	0.956																				
12/2/21	0.938																				
12/3/21	0.950																				
12/4/21	0.912																				
12/5/21	0.942																				
12/6/21	0.958		0.18		1.4	<	0.02	<	0.2		0.8		6.5	<	2.2	<	17.6	<	3.01	<	24.0
12/7/21	0.906		0.14		1.1	<	0.02	<	0.2		0.6		4.4	<	2.2	<	16.9	<	2.82	<	21.3
12/8/21	0.936																				
12/9/21	0.947																				
12/10/21	0.924																				
12/11/21	0.875																				
12/12/21	0.911																				
12/13/21	0.956		0.16		1.3	<	0.02	<	0.2		1.1		8.4	<	2.2	<	17.4	<	3.24	<	25.8
12/14/21	0.874		0.19		1.4		0.05		0.4		0.8		6.0	<	2.0	<	14.8	<	2.86	<	20.8
12/15/21	0.908																				
12/16/21	0.888																				
12/17/21	0.880																				
12/18/21	0.891																				
12/19/21	0.881																				
12/20/21	0.913		0.47		3.6		0.06		0.5		1.4		10.4	<	1.9	<	14.8	<	3.31	<	25.2
12/21/21	0.828		0.14		1.0		0.04		0.3		1.0		7.1	<	1.7	<	11.6	<	2.71	<	18.7
12/22/21	0.835																				
12/23/21	0.883																				
12/24/21	0.838																				
12/25/21	0.867																				
12/26/21	0.827																				
12/27/21	0.999		0.14		1.2		0.06		0.5	<	0.5	<	4.2	<	1.9	<	15.6	<	2.37	<	19.7
12/28/21	0.894		0.11		0.8	<	0.02	<	0.1		0.8		5.8	<	1.9	<	14.0	<	2.66	<	19.8
12/29/21	0.895																				
12/30/21	0.890																				
12/31/21	0.828																				
1/1/22	1.406																				
1/2/22	1.124																				
1/3/22	1.001		0.13		1.1	<	0.02	<	0.2		0.82		6.8	<	1.89	<	15.8	<	2.71	<	22.6
1/4/22	0.889		0.15		1.1	<	0.02	<	0.1		0.57		4.2	<	1.88	<	13.9	<	2.45	<	18.2
1/5/22	0.890																				
1/6/22	0.897																				
1/7/22	0.922																				
1/8/22	0.905																				
1/9/22	1.209																				
1/10/22	1.058		0.17		1.5		0.02		0.2		1.19		10.5	<	3.07	<	27.1	<	4.26	<	37.6
1/11/22	0.963		0.15		1.2	<	0.02	<	0.2		1.12		9.0	<	3.05	<	24.5	<	4.17	<	33.5

1/12/22	0.918																			
1/13/22	0.991																			
1/14/22	1.000																			
1/15/22	0.912																			
1/16/22	1.372																			
1/17/22	1.992	0.23		3.8		0.09		1.5		1.58		26.2		2.02		33.6		3.60		59.8
1/18/22	1.298	0.15		1.6	<	0.02	<	0.2		0.91		9.9	<	1.89	<	20.5	<	2.80	<	30.3
1/19/22	1.277																			
1/20/22	1.568																			
1/21/22	1.243																			
1/22/22	1.223																			
1/23/22	1.197																			
1/24/22	1.156	0.13		1.3	<	0.02	<	0.2		0.9		8.7	<	2.23	<	21.5	<	3.13	<	30.2
1/25/22	1.064	0.12		1.1	<	0.02	<	0.2		0.72		6.4	<	2.24	<	19.9	<	2.96	<	26.3
1/26/22	1.046																			
1/27/22	1.067																			
1/28/22	1.072																			
1/29/22	1.018																			
1/30/22	1.046																			
1/31/22	1.036	0.14		1.2		0.2		1.7	<	0.5	<	4.3	<	2.46	<	21.2	<	2.96	<	25.6
2/1/22	1.097	0.16		1.5	<	0.02	<	0.2		1.35		12.3	<	2.52	<	23.0	<	3.87	<	35.4
2/2/22	1.066																			
2/3/22	2.800																			
2/4/22	3.416																			
2/5/22	1.853																			
2/6/22	1.590																			
2/7/22	1.469	0.15		1.8	<	0.02	<	0.2		0.86		10.5	<	2.17	<	26.6	<	3.03	<	37.1
2/8/22	1.328	0.14		1.6		0.15		1.7		0.86		9.5	<	2.12	<	23.5	<	2.98	<	33.0
2/9/22	1.295																			
2/10/22	1.262																			
2/11/22	1.204																			
2/12/22	1.122																			
2/13/22	1.233																			
2/14/22	1.160	0.14		1.4	<	0.02	<	0.2		0.92		8.9	<	2.2	<	21.3	<	3.12	<	30.2
2/15/22	1.088	0.13		1.2		0.11		1.0		1.25		11.3	<	2.32	<	21.1	<	3.57	<	32.4
2/16/22	1.093																			
2/17/22	1.494																			
2/18/22	1.473																			
2/19/22	1.241																			
2/20/22	1.281																			
2/21/22	1.231	0.11		1.1		0.08		0.8	<	0.5	<	5.1	<	2.22	<	22.8	<	2.72	<	27.9
2/22/22	1.189	0.13		1.3	<	0.02	<	0.2		1.05		10.4	<	2.15	<	21.3	<	3.20	<	31.7
2/23/22	1.120																			
2/24/22	1.340																			
2/25/22	1.807																			
2/26/22	1.418																			
2/27/22	1.323																			
2/28/22	1.308	0.16		1.7	<	0.02	<	0.2		0.83		9.1	<	2.25	<	24.5	<	3.08	<	33.6
3/1/22	1.166	0.14		1.4	<	0.02	<	0.2		1.3		12.4	<	2.2	<	21.5	<	3.48	<	33.8
3/2/22	1.151																			
3/3/22	1.176																			
3/4/22	1.141																			
3/5/22	1.037																			
3/6/22	1.010																			
3/7/22	1.092	0.15		1.4	<	0.02	<	0.2		1.1		9.9	<	2.0	<	18.1	<	3.08	<	28.0
3/8/22	1.000	0.14		1.2	<	0.02	<	0.2		1.0		8.3	<	1.9	<	16.0	<	2.91	<	24.3
3/9/22	1.616																			
3/10/22	1.248																			

[illegible]

[illegible]

[illegible]

9/1/22																					
9/2/22																					
9/3/22																					
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9/27/22																					
9/28/22																					
9/29/22																					
9/30/22																					
Avg	1.17835		0.18		1.7	<	0.04	<	0.4	<	0.82	<	7.9	<	2.15	<	20.4	<	2.97	<	28.3
Annual Total Mass Loads (lbs):					615			<	153			<	2878			<	7439			<	10317

P Credits Generated: 847

N Credits Generated: 9066

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Prepared By: Gene A. Lank II
Title: Operator

License No.: 246163
Date: 4/12/2022

Monthly Statistics

Monthly Total Mass Loads (lbs)

<u>Month</u>	<u>Total Phosphorus (TP)</u>	<u>NH₃-N</u>	<u>TKN</u>	<u>NO₂+NO₃ as N</u>	<u>Total Nitrogen (TN)</u>
October	78.8	< 12	< 203.7	< 682	< 885.7
November	50.2	< 8	< 189.6	< 572.7	< 762.3
December	45.3	< 8.6	< 204.9	< 475.3	< 680.2
January	47.8	< 15.4	< 296.4	< 681.9	< 978.3
February	40.4	< 15.8	< 270.4	< 644.3	< 914.7
March	46.4	< 16.5	< 268.6	< 648.3	< 917
April					
May					
June					
July					

August
September

Average Monthly Concentrations (mg/L)

<u>Month</u>	<u>Total Phosphorus (TP)</u>	<u>NH₃-N</u>	<u>TKN</u>	<u>NO₂+NO₃ as N</u>	<u>Total Nitrogen (TN)</u>
October	0.23	< 0.04	< 0.59	< 2.01	< 2.6
November	0.18	< 0.03	< 0.7	< 2.12	< 2.82
December	0.19	< 0.04	< 0.87	< 2	< 2.87
January	0.15	< 0.05	< 0.92	< 2.3	< 3.23
February	0.14	< 0.06	< 0.95	< 2.24	< 3.2
March	0.16	< 0.05	< 0.92	< 2.2	< 3.12
April					
May					
June					
July					
August					
September					



SUPPLEMENTAL REPORT

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

Facility Name:	Middletown STP		
Municipality:	Middletown Borough	County:	Dauphin
Watershed:	7-C		

Month: **March** Year: **2022**
NPDES Permit No.: **PA0020664**
Renewal application due **180 days** prior to expiration
This permit will expire on: **February 28, 2026**

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION INFORMATION (Identify each off-site removal event and incineration event)

☐ Check here if there were no off-site removal events during the month[illegible]**TOTAL:**

TOTAL: 13.721

TOTAL:

SEWAGE SLUDGE / BIOSOLIDS AND INCINERATOR ASH DISPOSAL AND BENEFICIAL USE INFORMATION
(Identify all sites where biosolids or ash were disposed or land applied)

Site Name	R. Cassel			
Municipality	HUMMELSTOWN			
County	DAUPHIN			
DEP Permit No.	PAG07-3504			
Type of Material*	Biosolids			
Dry Tons Applied/Disposed	13.72			
Type of Disposal/Use*	Agricultural Utilization			
Hauler Name	BORO. MIDDLETOWN			

* See Instructions for explanation.

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Prepared By: **Gene A. Lank II**
Title: **Operator**

License No.: **246163**
Date: **April 12, 2022**

SUEZ Middletown WWTP

March, 2022

DATE	EFF	M.J. Reider Composite Sample Test Results																				
	FLOW	BOD		CBOD		%Remov	SUSPENDED SOLIDS				%Remov	TP		FEC.	NH3		NO2-NO3		TKN		TN	
	MGD	INFLUENT		EFFLUENT			INFLUENT		EFFLUENT			EFFLUENT		COLIF.	EFFLUENT		EFFLUENT		EFFLUENT		EFFLUENT	
		mg/L	LBS.	mg/L	LBS.		mg/L	LBS.	mg/L	LBS.		mg/L	LBS.	/100ml	mg/L	LBS.	mg/L	LBS.	mg/L	LBS.	mg/L	LBS.
01	1.166	251	2,441	2.6	25.29	99.0	202	1,965	2.0	19.45	99.0	0.14	1.36	<2	<0.02	<0.19	<2.2	<21.50	1.3	12.35	<3.48	<33.8
02	1.151													<2								
03	1.176																					
04	1.141																					
05	1.037																					
06	1.010																					
07	1.092	199	1,812	10.4	94.68	94.8	423	3,851	2.0	18.21	99.5	0.15	1.37		<0.02	<0.18	<2.0	<18.12	1.1	9.92	<3.08	<28.0
08	1.000	256	2,134	<2.0	<16.68	99.2	226	1,884	<1.0	8.34	99.6	0.14	1.17	<2	<0.02	<0.17	<1.9	<16.01	1.0	8.25	<2.91	<24.3
09	1.616													<2								
10	1.248																					
11	1.175																					
12	1.758																					
13	1.495																					
14	1.317	141	1,549	3.4	37.35	97.6	228	2,505	8.0	87.89	96.5	0.12	1.32		0.14	1.54	<2.4	<26.59	0.8	8.57	<3.20	<35.2
15	1.189	251	2,489	4.7	46.60	98.1	166	1,646	2.0	19.83	98.8	0.15	1.49	46	0.03	0.30	<2.2	<22.21	0.6	6.35	<2.88	<28.6
16	1.154													15								
17	1.220																					
18	1.146																					
19	1.195																					
20	1.176																					
21	1.151	259	2,485	3.9	37.42	98.5	132	1,267	13.0	124.75	90.2	0.16	1.54		0.06	0.58	<2.2	<21.49	1.3	12.38	<3.53	<33.9
22	1.082	277	2,500	3.6	32.49	98.7	180	1,625	7.0	63.18	96.1	0.20	1.81	<2	0.03	0.27	<2.1	<18.95	1.0	8.66	<3.06	<27.6
23	1.314													<2								
24	1.327																					
25	1.246																					
26	1.166																					
27	1.186																					
28	1.154	243	2,338	<2.0	<19.25	99.2	264	2,540	5.0	48.11	98.1	0.19	1.83		0.06	0.58	<2.3	<22.13	0.7	7.02	<3.03	<29.2
29	1.074	226	2,024	2.0	17.92	99.1	214	1,917	13.0	116.45	93.9	0.18	1.61	3	0.11	0.99	<2.4	<21.23	<0.5	<4.48	<2.87	<25.7
30	1.087													<2								
31	1.866																					

REVISED 9/18/15 M

SUEZ Middletown WWTP
Daily Effluent Grab Monitoring / Weather

March

2022

Date	Operator Initials	Effluent Grab Sample Time		pH		RPD	Dissolved Oxygen (mg/L)		RPD	Total Residual Chlorine (mg/L)		RPD	Temp.	Influent COD	Comments
		Start	Finish	#1	#2	%	#1	#2	%	#1	#2	%	C	mg/L	
01	GL	0840	0840	7.50	7.50	0.00	9.06	9.05	0.11	0.41	0.40	2.47	13.5	333	
02	GL	0843	0843	7.50	7.50	0.00	9.07	9.07	0.00	0.40	0.39	2.53	15.0	500	
03	GL	0845	0845	7.50	7.50	0.00	8.92	8.90	0.22	0.40	0.40	0.00	15.4	412	
04	GL	0852	0852	7.40	7.40	0.00	9.14	9.13	0.11	0.37	0.37	0.00	14.2	455	
05	GL	0748	0748	7.40	7.40	0.00	9.15	9.14	0.11	0.26	0.25	3.92	14.4		
06	GG	0820	0820	7.50	7.40	1.34	8.93	8.93	0.00	0.24	0.26	-8.00	14.5		
07	GL	0843	0843	7.50	7.50	0.00	8.85	8.84	0.11	0.24	0.23	4.26	15.0	587	
08	GL	0840	0840	7.60	7.60	0.00	9.13	9.12	0.11	0.30	0.31	-3.28	15.2	413	
09	GL	0843	0843	7.50	7.50	0.00	8.93	8.92	0.11	0.30	0.30	0.00	14.5	486	
10	GL	0846	0846	7.40	7.40	0.00	9.17	9.16	0.11	0.27	0.26	3.77	14.2	589	
11	GL	0848	0848	7.40	7.40	0.00	9.13	9.13	0.00	0.31	0.31	0.00	14.3	344	
12	GL	0750	0750	7.50	7.50	0.00	8.80	8.80	0.00	0.32	0.32	0.00	14.2		
13	GG	0818	0818	7.40	7.50	-1.34	9.48	9.50	-0.21	0.27	0.26	3.77	12.3		
14	GL	0850	0850	7.40	7.40	0.00	9.22	9.22	0.00	0.32	0.33	-3.08	13.8	255	
15	GL	0847	0847	7.40	7.40	0.00	9.03	9.01	0.22	0.29	0.28	3.51	15.0	271	
16	GL	0843	0843	7.40	7.40	0.00	8.87	8.86	0.11	0.39	0.39	0.00	15.1	461	
17	GL	0850	0850	7.40	7.40	0.00	8.71	8.71	0.00	0.29	0.28	3.51	15.5	477	
18	GL	0846	0846	7.40	7.40	0.00	8.71	8.69	0.23	0.34	0.34	0.00	15.4	450	
19	GL	0750	0750	7.40	7.40	0.00	8.54	8.55	-0.12	0.24	0.23	4.26	16.5		
20	GG	0820	0820	7.50	7.50	0.00	8.53	8.53	0.00	0.31	0.31	0.00	16.5		
21	GL	0852	0852	7.50	7.50	0.00	8.83	8.82	0.11	0.29	0.28	3.51	15.6	511	
22	GL	0841	0841	7.50	7.50	0.00	8.57	8.55	0.23	0.38	0.38	0.00	16.0	356	
23	GL	0848	0848	7.50	7.50	0.00	8.50	8.51	-0.12	0.52	0.52	0.00	15.4	397	
24	GL	0843	0843	7.40	7.40	0.00	8.57	8.56	0.12	0.28	0.28	0.00	15.5	441	
25	GL	0843	0843	7.50	7.50	0.00	8.64	8.62	0.23	0.25	0.25	0.00	15.4	432	
26	GL	0748	0748	7.50	7.50	0.00	8.34	8.35	-0.12	0.31	0.31	0.00	15.3		
27	GG	0830	0830	7.60	7.60	0.00	8.83	8.82	0.11	0.38	0.39	-2.60	15.4		
28	GL	0847	0847	7.50	7.50	0.00	8.92	8.91	0.11	0.24	0.25	-4.08	13.7	668	
29	GL	0847	0847	7.50	7.50	0.00	9.09	9.08	0.11	0.40	0.40	0.00	13.0	334	
30	GL	0845	0845	7.50	7.50	0.00	8.95	8.96	-0.11	0.41	0.41	0.00	14.0	413	
31	GL	0847	0847	7.40	7.40	0.00	8.62	8.63	-0.12	0.26	0.25	3.92	14.7	484	STORM MODE START @1935HRS

SUEZ Middletown WWTP

Process Control

March

2022

DAY	DITCH				RAS	WASTE			RR	F/M	SETTLING TEST			BLANKETS	
	TS		VS		TS	Gallons	Lbs	SRT			MINUTES		SVI	C1	C2
	mg/L	lbs	mg/L	%	mg/L			Days			5	30		AM	AM
01	4,985	60,704	3,438	69.0	8,972	22,000	1,646	25.43	4.08	0.04	910	570	114	15	12
02	4,803	58,480	3,259	67.9	9,672	20,000	1,613	24.60	4.20	0.06	900	560	117	15	12
03	5,041	61,379	3,476	69.0	9,576	21,000	1,677	25.24	4.21	0.04	900	550	109	12	12
04	4,660	56,742	3,279	70.4	9,100	21,000	1,594	25.05	3.86	0.05	900	560	120	15	12
05						20,000								20	15
06						20,000								18	13
07	4,958	60,372	3,419	69.0	8,898	23,000	1,707	24.39	4.28	0.05	900	560	113	10	12
08	4,780	58,201	3,585	75.0	8,316	25,000	1,734	25.17	3.73	0.04	950	590	123	12	12
09	4,643	56,537	3,267	70.4	10,831	20,000	1,807	22.02	3.87	0.05	910	550	118	15	12
10	4,607	56,093	3,412	74.1	10,049	20,000	1,676	24.79	3.59	0.09	920	550	119	12	15
11	4,423	53,860	3,232	73.1	11,090	20,000	1,850	21.28	3.79	0.04	910	550	124	15	12
12						20,000								15	12
13						20,000								14	11
14	4,794	58,370	3,253	67.9	9,462	22,000	1,736	22.82	3.78	0.04	910	580	121	14	14
15	4,663	56,781	3,282	70.4	10,714	20,000	1,787	22.36	3.49	0.03	930	580	124	12	10
16	4,991	60,777	3,614	72.4	10,270	22,000	1,884	23.36	3.54	0.05	920	550	110	12	10
17	4,671	56,879	2,941	63.0	10,717	18,000	1,609	22.26	4.61	0.06	910	530	113	12	12
18	4,829	58,803	3,277	67.9	10,206	20,000	1,702	23.44	4.01	0.05	910	560	116	11	16
19						20,000								12	12
20						20,000								10	12
21	5,011	61,019	3,629	72.4	9,634	24,000	1,928	22.91	4.15	0.05	930	580	116	12	12
22	4,835	58,874	3,454	71.4	9,794	23,000	1,879	22.38	6.64	0.04	930	580	120	12	12
23	4,469	54,415	3,094	69.2	8,936	23,000	1,714	21.98	5.41	0.04	930	590	132	12	10
24	4,777	58,171	3,412	71.4	10,978	20,000	1,831	22.69	4.08	0.05	950	610	128	14	14
25	4,813	58,601	3,438	71.4	9,755	22,000	1,790	23.39	4.03	0.05	950	650	135	12	12
26						20,000								14	12
27						20,000								12	12
28	4,491	54,688	3,109	69.2	9,501	20,000	1,585	23.89	4.19	0.08	950	630	140	12	12
29	4,508	54,887	3,121	69.2	10,323	20,000	1,722	22.07	3.38	0.04	950	640	142	20	10
30	4,648	56,595	3,271	70.4	10,343	20,000	1,725	23.08	3.74	0.04	950	640	138	15	12
31	4,653	56,654	3,274	70.4	10,348	20,000	1,726	23.10	3.94	0.05	950	640	138	12	12
AVG	4,741	57,734	3,328	70.2	9,891	20,839	1,736	23.4	4.11	0.05	925	583	123	13	12

PA MIDDLETOWN WWTP

THICKENER MONTHLY REPORT

March

2022

DATE	RUN	FEED SLUDGE			DISCHARGE SLUDGE			POLYMER
	TIME	GALLONS	% SOLIDS	LBS.	GALLONS	% SOLIDS	LBS.	GALLONS
01								
02								
03	1.75	22,084	0.99	1,823	3,366	6.30	1,769	3
04	4.00	63,720	0.99	5,261	11,781	6.30	6,190	6
05								
06								
07	4.75	66,544	1.12	6,216	13,464	5.80	6,513	7
08								
09								
10	2.00	28,388	1.00	2,368	5,049	6.26	2,636	3
11	4.00	56,482	0.98	4,616	11,781	4.66	4,579	5
12								
13								
14	5.25	68,144	0.96	5,456	15,147	5.53	6,986	7
15								
16								
17	2.00	24,400	0.94	1,913	3,366	5.77	1,620	2
18	4.25	53,474	0.95	4,237	11,781	4.72	4,638	6
19								
20								
21	5.00	65,790	0.93	5,103	10,098	5.56	4,682	8
22								
23								
24	2.50	31,224	0.97	2,526	5,049	6.02	2,535	2
25	5.00	63,339	0.92	4,860	11,781	5.39	5,296	6
26								
27								
28	4.50	57,334	0.91	4,351	11,781	5.25	5,158	6
29								
30								
31	2.00	25,085	0.98	2,050	5,049	5.11	2,152	3
TOTAL	47	626,008	12.64	50,780	119,493	72.67	54,754	64

REVISED 7/17/14

SUEZ Middletown WWTP

March

2022

ATAD TIME and TEMPERATURE																				
Date	Operator	Thickener					ATAD Level			ATAD Feed			ATAD		Minimum Till Transfer		ATAD to SNDR			
		End of feed		Disch. (ATAD Feed)			After			Gallons	TS	VS	End of feed				Date	Start		Gallons
		Temp.	Feed	TS	VS	VS	Start	Trans.	Feed				Avg	Time				Time	Temp.	
															° F	Gals.				
03/01/22																				
03/02/22							9.3	8.4	8.4								3/2/22	14:30	139.9	15,147
03/03/22	GG	137.4	22,084	62,956	48,505	77.0	8.4	8.4	8.6	3,366	1,767	1,362	135.4	14:30	10.9	3/4/22 1:24				
03/04/22	GG	133.8	63,720	62,956	48,505	77.0	8.6	8.6	9.3	11,781	6,186	4,766	133.8	11:40	14.5	3/5/22 2:11				
03/05/22																				
03/06/22							9.3	8.2	8.2								3/6/22	9:30	140.0	18,513
03/07/22	GG	134.6	66,544	57,973	45,635	78.7	8.2	8.2	9.0	13,464	6,510	5,124	135.4	12:00	10.9	3/7/22 22:54				
03/08/22																				
03/09/22							8.9	8.0	8.0								3/9/22	13:28	140.7	15,147
03/10/22	CK	140.0	28,388	62,647	49,929	79.7	8.0	8.0	8.3	5,049	2,638	2,102	136.1	9:00	9.6	3/10/22 18:37				
03/11/22	GG	132.9	46,482	46,569	35,851	77.0	8.8	8.8	9.5	11,781	4,576	3,522	136.1	11:15	9.6	3/11/22 20:52				
03/12/22																				
03/13/22							9.5	8.5	8.5								3/13/22	9:45	139.1	16,830
03/14/22	GG	132.8	68,144	55,291	43,324	78.4	8.5	8.5	9.4	15,147	6,985	5,473	137.8	12:30	7.1	3/14/22 19:35				
03/15/22																				
03/16/22							9.3	8.5	8.5								3/16/22	13:18	138.8	13,464
03/17/22	GG	137.1	24,400	57,704	44,561	77.2	8.5	8.5	8.7	3,366	1,620	1,251	134.9	9:15	11.9	3/17/22 21:10				
03/18/22	GG	134.1	53,474	47,170	37,470	79.4	8.6	8.6	9.3	11,781	4,635	3,682	134.1	11:30	13.8	3/19/22 1:15				
03/19/22																				
03/20/22							9.3	8.5	8.5								3/20/22	10:00	139.8	13,464
03/21/22	GG	134.9	65,790	55,571	42,885	77.2	8.5	8.5	9.1	10,098	4,680	3,612	135.7	12:15	10.3	3/21/22 22:34				
03/22/22																				
03/23/22							9.1	8.5	8.5								3/23/22	12:30	140.5	10,098
03/24/22	CK	137.4	31,224	60,172	44,644	74.2	8.5	8.5	8.8	5,049	2,534	1,880	136.2	9:30	9.4	3/24/22 18:56				
03/25/22	CK	134.7	63,339	53,872	42,720	79.3	8.8	8.8	9.5	11,781	5,293	4,197	138.3	12:00	6.5	3/25/22 18:29				
03/26/22																				
03/27/22							9.3	8.4	8.4								3/27/22	9:55	139.9	15,147
03/28/22	GG	134.0	57,334	52,499	41,736	79.5	8.4	8.4	9.1	11,781	5,158	4,101	134.0	11:45	14.0	3/29/22 1:45				
03/29/22																				
03/30/22							9.0	8.5	8.5								3/30/22	14:45	136.8	8,415
03/31/22	GG	134.4	25,085	51,117	38,946	76.2	8.5	8.5	8.8	5,049	2,152	1,640	135.4	9:05	10.9	3/31/22 19:59				

SUEZ Middletown WWTP

March

2022

[illegible]

SUEZ Middletown WWTP

Centrifuge Monthly Report

March

2022

Date	Run Time	Feed Sludge		Centrifuge Cake			Lime		Polymer	Alum	SNDR		Copper
	Hours	Gallons	% Solids	Pounds Dry Solids	Dry Tons	% Solids	Pounds Used	Pounds/Ton	Total Gallons	Total Gallons	pH	Level	Conc. mg/l
01													
02	6.75	33,046	2.42	6,670	3.34	31.7	1,195	358	21	93	5.9	9.3	
03	5.50	26,903	2.43	5,452	2.73	33.1	974	357	22	78	6.4	8.8	
04													
05													
06													
07													
08													
09	5.75	28,011	2.36	5,513	2.76	32.7	1,018	369	13	78	6.0	8.4	
10													
11													
12													
13													
14													
15													
16	5.25	26,349	2.43	5,340	2.67	31.3	929	348	20	74	5.9	8.9	
17													
18													
19													
20													
21													
22													
23	4.75	22,984	2.33	4,466	2.23	32.0	841	377	17	67	6.0	9.2	
24													
25													
26													
27													
28													
29													
30	4.75	23,347	2.37	4,615	2.31	31.8	841	364	20	63	6.1	9.5	
31													

PA MIDDLETOWN WWTP

March, 2022

BIOSOLIDS INVENTORY

DATE	DRY TONS		TO	USE	TOTAL ON SITE
	PROCESSED	DELIVERED			
03/01/22					
03/02/22	3.33				3.33
03/03/22	2.73	3.33	Bob Cassel	Agriculture	2.73
03/04/22		2.73	Bob Cassel	Agriculture	0.00
03/05/22					
03/06/22					
03/07/22					
03/08/22					
03/09/22	2.76				2.76
03/10/22					
03/11/22					
03/12/22					
03/13/22					
03/14/22		2.76	Bob Cassel	Agriculture	0.00
03/15/22					
03/16/22	2.67				2.67
03/17/22		2.67	Bob Cassel	Agriculture	0.00
03/18/22					
03/19/22					
03/20/22					
03/21/22					
03/22/22					
03/23/22	2.23				2.23
03/24/22		2.23	Bob Cassel	Agriculture	0.00
03/25/22					
03/26/22					
03/27/22					
03/28/22					
03/29/22					
03/30/22	2.31				2.31
03/31/22					
Total Tons	16.03	13.72		Total Tons	16.03
Metric Tons	14.54	12.45		Metric Tons	14.54

2022**PA MIDDLETOWN WWTP****BIOSOLIDS INVENTORY**

DATE	Dry Tons (US Short Tons)		Dry Tons (Metric Tons)	
	PROCESSED	DELIVERED	PROCESSED	DELIVERED
Jan, 2022	9.52	12.40	8.64	11.25
Feb, 2022	12.93	12.93	11.73	11.73
Mar, 2022	16.03	13.72	14.54	12.45
Apr, 2022				
May, 2022				
Jun, 2022				
Jul, 2022				
Aug, 2022				
Sep, 2022				
Oct, 2022				
Nov, 2022				
Dec, 2022				
Total	38.48	39.05	34.91	35.43
Average	12.83	13.02	11.64	11.81
Maximum	16.03	13.72	14.54	12.45
Minimum	9.52	12.40	8.64	11.25

SUEZ Middletown WWTP

Biosolids Volatile Reduction

M.J. Reider Results

2022

Date	Thickener Discharge			SNDR			Volatile Reduction
	TS	TVS	VS	TS	TVS	VS	
	mg/L		%	mg/L		%	%
01/03/22	51,000	37,842	74.2	26,400	13,500	51.1	64.3
01/17/22	54,000	41,040	76.0	25,000	12,800	51.2	68.8
02/01/22	53,000	40,969	77.3	24,700	13,000	52.6	68.3
02/14/22	53,000	41,075	77.5	24,800	13,000	52.4	68.4
03/08/22	55,000	42,570	77.4	23,800	12,800	53.8	69.9
03/21/22	54,000	41,526	76.9	23,500	12,800	54.5	69.2
AVG	53,333	40,837	76.6	24,700	12,983	52.6	
Avg. % TS Reduction		53.7	Avg. Mass Balance % VS Reduction				68.2

**PA MIDDLETOWN WWTP
2022 Annual Performance**

	Flow Data					
	Total MG	Average MG	Maximum		Minimum	
January	34.760	1.121	01/17/22	1.992	01/04/22	0.889
February	40.299	1.439	02/04/22	3.416	02/02/22	1.066
March	38.115	1.230	03/31/22	1.866	03/08/22	1.000
April						
May						
June						
July						
August						
September						
October						
November						
December						
Total	113.174					
Average	37.725	1.263		2.425		0.985
Maximum	40.299	1.439		3.416		1.066
Minimum	34.760	1.121		1.866		0.889

BOD / CBOD						Phosphorus, Total		Fecal Colif.
Inf mg/L	Eff mg/L	Inf Lbs	Eff Lbs	Lbs Removed	% Removal	Eff mg/L	Eff Lbs	cfu/100mL
244	3	70,864	825	70,040	98.7	0.15	44	10
249	3	83,688	1,080	82,608	98.6	0.14	47	11
234	4	74,278	1,222	73,056	98.0	0.16	51	46
		228,830	3,126	225,704			142	
242	3	76,277	1,042	75,235	98.4	0.15	47	
249	4	83,688	1,222	82,608	98.7	0.16	51	
234	3	70,864	825	70,040	98.0	0.14	44	

	TSS					
	Inf mg/L	Eff mg/L	Inf Lbs	Eff Lbs	Lbs Removed	% Removal
January	243	6	70,381	1,836	68,545	97.3
February	230	8	77,176	2,647	74,529	96.3
March	226	6	71,876	1,872	70,004	97.1
April						
May						
June						
July						
August						
September						
October						
November						
December						
Total			219,433	6,355	213,078	
Average	232.8	6.7	73,144	2,118	71,026	96.9
Maximum	242.8	7.9	77,176	2,647	74,529	97.3
Minimum	226.1	5.9	70,381	1,836	68,545	96.3

Ammonia		TKN		Nitrate+Nitrite				Fecal Colif.
Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Geo. Mean
0.05	14	0.9	268	2.30	668	3.23	935	<2.0
0.06	18	1.0	320	2.24	754	3.20	1,074	<3.0
0.05	17	0.9	291	2.20	699	3.16	1,005	<3.0
	50	3	879		2,121		3,015	
0.05	17	1	293	2.25	707	3.20	1,005	
0.06	18	1	320	2.30	754	3.23	1,074	
0.05	14	1	268	2.20	668	3.16	935	



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2205801

Report: 03/09/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: SUEZ Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2205801-01

Collected By: Client

Sampled: 03/01/22 07:10

Received: 03/01/22 12:45

Sample Desc: SUEZ Middletown Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	264	mg/l	2.0	SM 5210 B	03/01/22 14:30		GNG
Solids, Total Suspended	170	mg/l	1	SM 2540 D	03/02/22		ALD

Lab ID: 2205801-02

Collected By: Client

Sampled: 03/01/22 08:40

Received: 03/01/22 12:45

Sample Desc: SUEZ Middletown Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	<0.02	mg/l	0.02	EPA 350.1	03/02/22		SNF
Carbonaceous Biochemical Oxygen Demand	4.2	mg/l	2.0	SM 5210 B	03/01/22 14:25		ASD
Nitrate as N	2.15	mg/l	1.00	EPA 300.0 Rev 2.1	03/01/22 13:50		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	03/01/22 13:50		JAF
Nitrate+Nitrite as N	<2.25	mg/l	1.10	CALCULATED	03/01/22 13:50		JAF
Nitrogen, Total	<3.08	mg/l	1.60	CALCULATED	03/07/22 17:11		RCE
Nitrogen, Total Kjeldahl (TKN)	0.83	mg/l	0.50	EPA 351.2 Rev 2.0	03/07/22		RCE
Phosphorus as P, Total	0.16	mg/l	0.01	SM 4500-P F	03/02/22		SNF
Solids, Total Suspended	5	mg/l	1	SM 2540 D	03/02/22		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2205801-03 **Collected By:** Client **Sampled:** 03/01/22 08:55 **Received:** 03/01/22 12:45
Sample Desc: SUEZ Middletown Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	3/1/22 14:33	3/2/22 14:16		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2205801-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2C0120	03/02/2022	MRW



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ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2205925

Report: 03/09/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: SUEZ Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2205925-01

Collected By: Client

Sampled: 03/02/22 07:00

Received: 03/02/22 13:50

Sample Desc: SUEZ Middletown Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	251	mg/l	2.0	SM 5210 B	03/02/22 15:35		ASD
Solids, Total Suspended	202	mg/l	1	SM 2540 D	03/03/22		ALD

Lab ID: 2205925-02

Collected By: Client

Sampled: 03/02/22 08:43

Received: 03/02/22 13:50

Sample Desc: SUEZ Middletown Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	<0.02	mg/l	0.02	EPA 350.1	03/02/22		SNF
Carbonaceous Biochemical Oxygen Demand	2.6	mg/l	2.0	SM 5210 B	03/02/22 15:40		ASD
Nitrate as N	2.11	mg/l	1.00	EPA 300.0 Rev 2.1	03/02/22 15:10		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	03/02/22 15:10		JAF
Nitrate+Nitrite as N	<2.21	mg/l	1.10	CALCULATED	03/02/22 15:10		JAF
Nitrogen, Total	<3.48	mg/l	1.60	CALCULATED	03/07/22 15:42		RCE
Nitrogen, Total Kjeldahl (TKN)	1.27	mg/l	0.50	EPA 351.2 Rev 2.0	03/07/22		RCE
Phosphorus as P, Total	0.14	mg/l	0.01	SM 4500-P F	03/02/22		SNF
Solids, Total Suspended	2	mg/l	1	SM 2540 D	03/03/22		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2205925-03 **Collected By:** Client **Sampled:** 03/02/22 08:55 **Received:** 03/02/22 13:50
Sample Desc: SUEZ Middletown Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	3/2/22 14:23	3/3/22 14:35		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2205925-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2C0133	03/02/2022	MRW



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**M.J. Reider Associates, Inc.**ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003**Certificate of Analysis****Laboratory No.:** 2206769**Report:** 03/16/22**Lab Contact:** Bradley T Griffiths**Attention:** Gene Lank
Reported To: SUEZ Middletown
453 S. Lawrence St.
Middletown, PA 17057**Project Info:** Bi-Weekly Inf & Eff**Lab ID:** 2206769-01 **Collected By:** Client
Sample Desc: SUEZ Middletown Influent (24Hr Composite)**Sampled:** 03/08/22 07:10 **Received:** 03/08/22 12:52
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	199	mg/l	2.0	SM 5210 B	03/08/22 15:45		ASD
Solids, Total Suspended	423	mg/l	1	SM 2540 D	03/09/22		ALD

Lab ID: 2206769-02 **Collected By:** Client
Sample Desc: SUEZ Middletown Effluent (24Hr Composite)**Sampled:** 03/08/22 08:40 **Received:** 03/08/22 12:52
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	<0.02	mg/l	0.02	EPA 350.1	03/09/22		SNF
Carbonaceous Biochemical Oxygen Demand	10.4	mg/l	2.0	SM 5210 B	03/08/22 15:36		ASD
Nitrate as N	1.89	mg/l	1.00	EPA 300.0 Rev 2.1	03/08/22 15:09		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	03/08/22 15:09		JAF
Nitrate+Nitrite as N	<1.99	mg/l	1.10	CALCULATED	03/08/22 15:09		JAF
Nitrogen, Total	<3.08	mg/l	1.60	CALCULATED	03/11/22 2:46		SNF
Nitrogen, Total Kjeldahl (TKN)	1.09	mg/l	0.50	EPA 351.2 Rev 2.0	03/11/22		SNF
Phosphorus as P, Total	0.15	mg/l	0.01	SM 4500-P F	03/09/22		SNF
Solids, Total Suspended	2	mg/l	1	SM 2540 D	03/09/22		ALD

Lab ID: 2206769-03 **Collected By:** Client
Sample Desc: SUEZ Middletown Effluent (Grab)**Sampled:** 03/08/22 08:57 **Received:** 03/08/22 12:52
Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	3/8/22 14:25	3/9/22 13:58		JMW

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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2206952

Report: 03/16/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: SUEZ Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2206952-01

Collected By: Client

Sampled: 03/09/22 07:10

Received: 03/09/22 13:30

Sample Desc: SUEZ Middletown Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	256	mg/l	2.0	SM 5210 B	03/09/22 14:00	C-37b, C-40a	ALL
Solids, Total Suspended	226	mg/l	1	SM 2540 D	03/10/22		ALD

Lab ID: 2206952-02

Collected By: Client

Sampled: 03/09/22 08:43

Received: 03/09/22 13:30

Sample Desc: SUEZ Middletown Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	<0.02	mg/l	0.02	EPA 350.1	03/11/22		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	03/09/22 14:43	C-37a, C-40	ASD
Nitrate as N	1.82	mg/l	1.00	EPA 300.0 Rev 2.1	03/09/22 16:51		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	03/09/22 16:51		JAF
Nitrate+Nitrite as N	<1.92	mg/l	1.10	CALCULATED	03/09/22 16:51		JAF
Nitrogen, Total	<2.91	mg/l	1.60	CALCULATED	03/14/22 19:23		RCE
Nitrogen, Total Kjeldahl (TKN)	0.99	mg/l	0.50	EPA 351.2 Rev 2.0	03/14/22		RCE
Phosphorus as P, Total	0.14	mg/l	0.01	SM 4500-P F	03/11/22		SNF
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	03/10/22		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2206952-03 **Collected By:** Client **Sampled:** 03/09/22 08:57 **Received:** 03/09/22 13:30
Sample Desc: SUEZ Middletown Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	3/9/22 14:34	3/10/22 14:38		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2206952-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2C0675	03/11/2022	MRW

Notes and Definitions

- C-37a The dissolved oxygen depletion for the dilution water blank was greater than 0.20mg/L at 0.62mg/L.
- C-37b The dissolved oxygen depletion for the dilution water blank was greater than 0.20mg/L at 1.13mg/L.
- C-40 The Glucose-Glutamic Acid check was outside of the acceptable criteria of 198 ± 30.5 mg/L at 233.9 mg/L.
- C-40a The Glucose-Glutamic Acid check was outside of the acceptable criteria of 198 ± 30.5 mg/L at 246.5 mg/L.



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ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2207769

Report: 03/22/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: SUEZ Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2207769-01

Collected By: Client

Sampled: 03/15/22 07:10

Received: 03/15/22 13:30

Sample Desc: SUEZ Middletown Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	141	mg/l	2.0	SM 5210 B	03/15/22 16:40		ASD
Solids, Total Suspended	228	mg/l	1	SM 2540 D	03/16/22		ALD

Lab ID: 2207769-02

Collected By: Client

Sampled: 03/15/22 08:47

Received: 03/15/22 13:30

Sample Desc: SUEZ Middletown Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.14	mg/l	0.02	EPA 350.1	03/16/22		SNF
Carbonaceous Biochemical Oxygen Demand	3.4	mg/l	2.0	SM 5210 B	03/15/22 17:00		GNG
Nitrate as N	2.32	mg/l	1.00	EPA 300.0 Rev 2.1	03/15/22 17:22		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	03/15/22 17:22		JAF
Nitrate+Nitrite as N	<2.42	mg/l	1.10	CALCULATED	03/15/22 17:22		JAF
Nitrogen, Total	<3.20	mg/l	1.60	CALCULATED	03/17/22 16:28		SNF
Nitrogen, Total Kjeldahl (TKN)	0.78	mg/l	0.50	EPA 351.2 Rev 2.0	03/17/22		SNF
Phosphorus as P, Total	0.12	mg/l	0.01	SM 4500-P F	03/16/22		SNF
Solids, Total Suspended	8	mg/l	1	SM 2540 D	03/16/22		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2207769-03 **Collected By:** Client **Sampled:** 03/15/22 09:02 **Received:** 03/15/22 13:30
Sample Desc: SUEZ Middletown Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	46	/100ml	2	SM 9222 D	3/15/22 15:40	3/16/22 14:03		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2207769-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2C0937	03/16/2022	SNF



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ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2207915

Report: 03/23/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: SUEZ Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2207915-01

Collected By: Client

Sampled: 03/16/22 07:05

Received: 03/16/22 13:07

Sample Desc: SUEZ Middletown Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	251	mg/l	2.0	SM 5210 B	03/16/22 14:06		ASD
Solids, Total Suspended	166	mg/l	1	SM 2540 D	03/17/22		ALD

Lab ID: 2207915-02

Collected By: Client

Sampled: 03/16/22 08:43

Received: 03/16/22 13:07

Sample Desc: SUEZ Middletown Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.03	mg/l	0.02	EPA 350.1	03/18/22		MRW
Carbonaceous Biochemical Oxygen Demand	4.7	mg/l	2.0	SM 5210 B	03/16/22 14:06		ASD
Nitrate as N	2.14	mg/l	1.00	EPA 300.0 Rev 2.1	03/16/22 14:07		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	03/16/22 14:07		JAF
Nitrate+Nitrite as N	<2.24	mg/l	1.10	CALCULATED	03/16/22 14:07		JAF
Nitrogen, Total	<2.88	mg/l	1.60	CALCULATED	03/17/22 20:48		SNF
Nitrogen, Total Kjeldahl (TKN)	0.64	mg/l	0.50	EPA 351.2 Rev 2.0	03/17/22		SNF
Phosphorus as P, Total	0.15	mg/l	0.01	SM 4500-P F	03/18/22		MRW
Solids, Total Suspended	2	mg/l	1	SM 2540 D	03/17/22		ALD

Lab ID: 2207915-03

Collected By: Client

Sampled: 03/16/22 08:57

Received: 03/16/22 13:07

Sample Desc: SUEZ Middletown Effluent (Grab)

Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	15	/100ml	2	SM 9222 D	3/16/22 14:32	3/17/22 14:50		JMW



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ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2208705

Report: 03/29/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2208705-01

Collected By: Client

Sampled: 03/22/22 07:10

Received: 03/22/22 13:10

Sample Desc: SUEZ Middletown Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	259	mg/l	2.0	SM 5210 B	03/22/22 15:35		KMS
Solids, Total Suspended	132	mg/l	1	SM 2540 D	03/23/22		ALD

Lab ID: 2208705-02

Collected By: Client

Sampled: 03/22/22 08:41

Received: 03/22/22 13:10

Sample Desc: SUEZ Middletown Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.06	mg/l	0.02	EPA 350.1	03/23/22		MRW
Carbonaceous Biochemical Oxygen Demand	3.9	mg/l	2.0	SM 5210 B	03/22/22 17:30		ASD
Nitrate as N	2.14	mg/l	1.00	EPA 300.0 Rev 2.1	03/22/22 15:36		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	03/22/22 15:36		JAF
Nitrate+Nitrite as N	<2.24	mg/l	1.10	CALCULATED	03/22/22 15:36		JAF
Nitrogen, Total	<3.53	mg/l	1.60	CALCULATED	03/28/22 18:09		RCE
Nitrogen, Total Kjeldahl (TKN)	1.29	mg/l	0.50	EPA 351.2 Rev 2.0	03/28/22		RCE
Phosphorus as P, Total	0.16	mg/l	0.01	SM 4500-P F	03/23/22		MRW
Solids, Total Suspended	13	mg/l	1	SM 2540 D	03/23/22		ALD



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Additional accreditations by MD (261), NY(12094)

M.J. Reider Associates, Inc.

Lab ID: 2208705-03 **Collected By:** Client **Sampled:** 03/22/22 08:53 **Received:** 03/22/22 13:10
Sample Desc: SUEZ Middletown Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	3/22/22 14:18	3/23/22 13:47		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2208705-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2C1322	03/23/2022	MRW



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2208855

Report: 03/30/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2208855-01

Collected By: Client

Sampled: 03/23/22 07:05

Received: 03/23/22 14:35

Sample Desc: SUEZ Middletown Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	277	mg/l	2.0	SM 5210 B	03/23/22 17:51		KMS
Solids, Total Suspended	180	mg/l	1	SM 2540 D	03/24/22		ALD

Lab ID: 2208855-02

Collected By: Client

Sampled: 03/23/22 08:48

Received: 03/23/22 14:35

Sample Desc: SUEZ Middletown Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.03	mg/l	0.02	EPA 350.1	03/24/22		SNF
Carbonaceous Biochemical Oxygen Demand	3.6	mg/l	2.0	SM 5210 B	03/23/22 18:20		KMS
Nitrate as N	2.00	mg/l	1.00	EPA 300.0 Rev 2.1	03/23/22 19:34		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	03/23/22 19:34		JAF
Nitrate+Nitrite as N	<2.10	mg/l	1.10	CALCULATED	03/23/22 19:34		JAF
Nitrogen, Total	<3.06	mg/l	1.60	CALCULATED	03/28/22 11:33		RCE
Nitrogen, Total Kjeldahl (TKN)	0.96	mg/l	0.50	EPA 351.2 Rev 2.0	03/28/22		RCE
Phosphorus as P, Total	0.20	mg/l	0.01	SM 4500-P F	03/24/22		SNF
Solids, Total Suspended	7	mg/l	1	SM 2540 D	03/24/22		ALD

Lab ID: 2208855-03

Collected By: Client

Sampled: 03/23/22 09:04

Received: 03/23/22 14:35

Sample Desc: SUEZ Middletown Effluent (Grab)

Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	3/23/22 15:08	3/24/22 14:00		JMW



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2209706

Report: 04/06/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2209706-01

Collected By: Client

Sampled: 03/29/22 07:05

Received: 03/29/22 13:30

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	243	mg/l	2.0	SM 5210 B	03/29/22 17:05		ASD
Solids, Total Suspended	264	mg/l	1	SM 2540 D	03/30/22		ALD

Lab ID: 2209706-02

Collected By: Client

Sampled: 03/29/22 08:47

Received: 03/29/22 13:30

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.06	mg/l	0.02	EPA 350.1	03/30/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	03/30/22 10:50		ASD
Nitrate as N	2.20	mg/l	1.00	EPA 300.0 Rev 2.1	03/29/22 15:44		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	03/29/22 15:44		JAF
Nitrate+Nitrite as N	<2.30	mg/l	1.10	CALCULATED	03/29/22 15:44		JAF
Nitrogen, Total	<3.03	mg/l	1.60	CALCULATED	03/31/22 21:02		SNF
Nitrogen, Total Kjeldahl (TKN)	0.73	mg/l	0.50	EPA 351.2 Rev 2.0	03/31/22		SNF
Phosphorus as P, Total	0.19	mg/l	0.01	SM 4500-P F	03/30/22		MRW
Solids, Total Suspended	5	mg/l	1	SM 2540 D	03/30/22		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2209706-03 **Collected By:** Client **Sampled:** 03/29/22 09:03 **Received:** 03/29/22 13:30
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	3	/100ml	2	SM 9222 D	3/29/22 14:16	3/30/22 13:55		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2209706-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2C1689	03/30/2022	MRW



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2209860

Report: 04/06/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2209860-01

Collected By: Client

Sampled: 03/30/22 07:05

Received: 03/30/22 13:51

Sample Desc: SUEZ Middletown Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	226	mg/l	2.0	SM 5210 B	03/30/22 16:10		ASD
Solids, Total Suspended	214	mg/l	1	SM 2540 D	03/31/22		ALD

Lab ID: 2209860-02

Collected By: Client

Sampled: 03/30/22 08:45

Received: 03/30/22 13:51

Sample Desc: SUEZ Middletown Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.11	mg/l	0.02	EPA 350.1	03/30/22		MRW
Carbonaceous Biochemical Oxygen Demand	2.0	mg/l	2.0	SM 5210 B	03/30/22 16:28		ASD
Nitrate as N	2.27	mg/l	1.00	EPA 300.0 Rev 2.1	03/30/22 19:41		HRG
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	03/30/22 19:41		HRG
Nitrate+Nitrite as N	<2.37	mg/l	1.10	CALCULATED	03/30/22 19:41		HRG
Nitrogen, Total	<2.87	mg/l	1.60	CALCULATED	03/31/22 23:03		SNF
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	03/31/22		SNF
Phosphorus as P, Total	0.18	mg/l	0.01	SM 4500-P F	03/30/22		MRW
Solids, Total Suspended	13	mg/l	1	SM 2540 D	03/31/22		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2209860-03 **Collected By:** Client **Sampled:** 03/30/22 09:03 **Received:** 03/30/22 13:51
Sample Desc: SUEZ Middletown Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	3/30/22 15:50	3/31/22 14:21		JMW

Preparation Methods

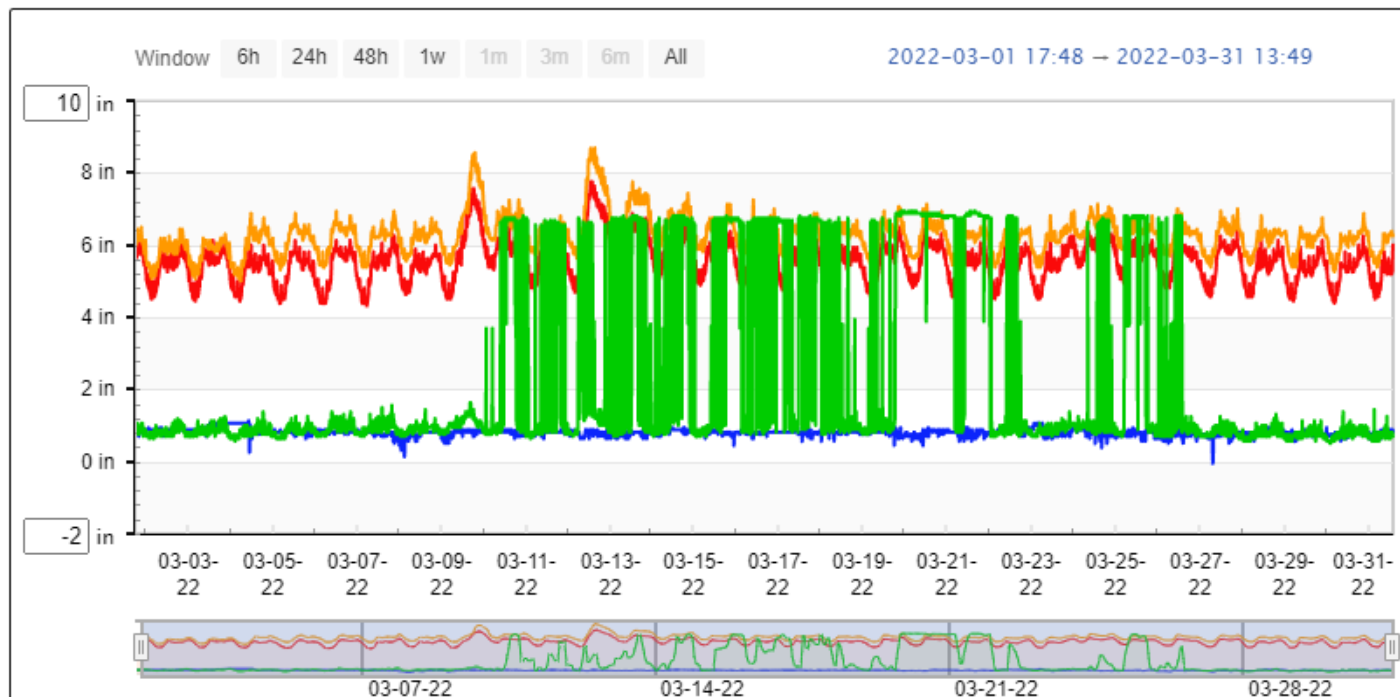
Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2209860-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2C1717	03/30/2022	SNF



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 Time Period Custom

 Date Range 2022-03-01 13:49 - 2022-03-31 13:49

 Long Filter No Filter

Update Chart

 Download Data 

Locations

● 301-MH-332	▼	Water Level above Bottom	▼	+	-
● 301-MH-475A	▼	Water Level above Bottom	▼	+	-
● MH-286	▼	Water Level above Bottom	▼	+	-
● MH-290	▼	Water Level above Bottom	▼	+	-

Chart up to 5 data series by selecting additional locations & their data types.

MIDDLETOWN MONTHLY REPORT

APPENDIX 2 DRINKING WATER

MIDDLETOWN WATER SYSTEM MONTHLY SAFE DRINKING WATER ACT COMPLIANCE REPORT AND CORRESPONDENCE WITH PADEP

&

SUSQUEHANNA RIVER BASIN COMMISSION QUARTERLY WATER WITHDRAWAL REPORT AND CORRESPONDENCE

Monthly Water Pumped
Middletown Borough Authority

March, 2022

Maximum Day 966,570
Minimum Day 726,769

Days pumped 31

Date	Well No.1	Well No.2	Well No.3	Well No.4	Well No.5	Well No.6	Total	Union Booster
01	161,435	309,275			89,511	285,755	845,976	125,822
02	158,451	313,610			63,069	291,316	826,446	66,403
03	159,012	313,810			45,605	281,901	800,328	96,289
04	149,018	312,920			82,810	263,728	808,476	97,390
05	158,086	313,296			87,803	280,363	839,548	63,292
06	63,695	315,038			88,318	279,838	746,889	64,364
07	161,205	299,578			82,909	288,655	832,347	93,132
08	145,486	312,876			80,263	262,989	801,614	96,328
09	144,597	313,439			81,511	260,959	800,506	62,373
10	138,813	313,497			78,118	251,624	782,052	67,193
11	121,788	315,726			68,893	220,362	726,769	80,198
12	179,249	297,107			100,336	324,194	900,886	104,150
13	136,557	314,563			76,327	242,934	770,381	67,918
14	153,626	313,886			86,656	277,416	831,584	79,935
15	161,439	313,524			91,039	291,475	857,477	121,252
16	145,281	313,627			82,654	264,501	806,063	63,937
17	149,669	313,375			85,073	273,025	821,142	101,416
18	157,299	312,807			63,246	287,011	820,363	94,803
19	144,869	313,391			83,842	216,733	758,835	67,383
20	169,648	312,522			97,560	308,991	888,721	68,724
21	193,469	311,845			110,897	350,359	966,570	131,552
22	149,043	313,059			85,995	252,319	800,416	65,629
23	149,467	312,567			85,114	271,078	818,226	113,543
24	157,348	312,527			90,054	285,499	845,428	85,734
25	147,189	312,460			84,346	267,172	811,167	66,964
26	168,422	312,281			96,478	288,966	866,147	100,942
27	160,958	311,066			91,792	289,258	853,074	91,395
28	148,809	311,455			84,293	266,606	811,163	68,540
29	146,215	311,420			82,723	261,404	801,762	125,643
30	153,187	310,639			87,199	274,795	825,820	66,806
31	142,815	310,522			82,723	258,073	794,133	68,717
Totals:	4,676,145	9,667,708			2,597,157	8,519,299	25,460,309	2,667,767
Maximum	193,469	315,726			110,897	350,359	966,570	131,552
Minimum	63,695	297,107			45,605	216,733	726,769	62,373
Average	150,843	311,862			83,779	274,816	821,300	86,057

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1			03 Compliance Sampling Log	4.00 Distribution System Monitoring\DS-000 Generic Sample Location													
2				400000	400007	400008	400011	400012	400013	400014	400015	400016	400017	400018	400019	400020	
3				DS-000: Contractual Weekly Distribution	pH	Temperature	Hardness	Alkalinity (CaCO3)	Calcium	Phosphorus, Total	Silicates	Iron, Total	Manganese, Total	TDS	Specific Conductance	Langlier Index	
4				Date	SU	Deg C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	umhos/Cm2	LSI	
5	Mar	1 Tue		3-1-22	7.50	14.0	319.0	186.00	100.00	0.08	21.70	<0.02	<0.01	271.00	701.00	7.50	
6		2 Wed															
7		3 Thu															
8		4 Fri															
9		5 Sat															
10		6 Sun															
11		7 Mon															
12		8 Tue		3-8-22	7.50	14.0	342.0	184.00	107.00	0.05	19.90	<0.02	<0.01	269.00	714.00	7.50	
13		9 Wed															
14		10 Thu															
15		11 Fri															
16		12 Sat															
17		13 Sun															
18		14 Mon															
19		15 Tue		3-15-22	7.60	13.0	336.0	191.00	105.00	0.05	19.90	<0.02	<0.01	273.00	714.00	7.60	
20		16 Wed															
21		17 Thu															
22		18 Fri															
23		19 Sat															
24		20 Sun															
25		21 Mon															
26		22 Tue		3-22-22	7.50	15.0	335.0	187.00	105.00	0.07	22.40	<0.02	<0.01	261.00	713.00	7.50	
27		23 Wed															
28		24 Thu															
29		25 Fri															
30		26 Sat															
31		27 Sun															
32		28 Mon															
33		29 Tue		3-29-22	7.40	14.0	321.0	188.00	100.00	0.05	21.90	<0.02	<0.01	264.00	705.00	7.40	
34		30 Wed															
35		31 Thu															
37		MINIMUM		3-1-22	7.40	13.0	319.0	184.00	100.00	0.05	19.90	<0.02	<0.01	261.00	701.00	7.40	
38		MAXIMUM		3-8-22	7.60	15.0	342.0	191.00	107.00	0.08	22.40	<0.02	<0.01	273.00	714.00	7.60	
39		AVERAGE		1	7.50	14.0	330.6	187.20	103.40	0.06	21.16	<0.02	<0.01	267.60	709.40	3.24	
40		SUM		5	37.50	70.0	1,653.0	936.00	517.00	0.30	105.80	<0.10	<0.05	1,338.00	3,547.00	16.20	



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2206954

Reported: 03/11/22

Lab Contact: Christina M Kistler

Attention: Chris Hannan
Reported To: SUEZ Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: Jan,Mar,May,Jul,Sep,Nov. Week 1
7220038

Lab ID: 2206954-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:

Sampled: 03/01/22 08:28 **Received:** 03/01/22 12:45
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 701

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	3/1/22 16:10	3/2/22 10:42		NAK	N/A 1

Lab ID: 2206954-02 **Collected By:** Client
Sample Desc: 703 North Union Street Booster Station
Notes:

Sampled: 03/01/22 07:56 **Received:** 03/01/22 12:45
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 703

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	3/1/22 16:10	3/2/22 10:42		NAK	N/A 1

Lab ID: 2206954-03 **Collected By:** Client
Sample Desc: 707 Main St & Catherine St. Hydrant
Notes:

Sampled: 03/01/22 08:11 **Received:** 03/01/22 12:45
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 707

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	3/1/22 16:10	3/2/22 10:42		NAK	N/A 1



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E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: SUEZ MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	021622	701		021522	D	0835	06003	2205118-01	KISTLERC_569
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030222	701		030122	D	0828	06003	2206954-01	KISTLERC_1407
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	021622	703		021522	D	0801	06003	2205118-02	KISTLERC_570
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030222	703		030122	D	0756	06003	2206954-02	KISTLERC_1408
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	020922	704		020822	D	0844	06003	2204228-01	KISTLERC_75
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	022322	704		022222	D	0839	06003	2205927-01	KISTLERC_909
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030922	704		030822	D	0811	06003	2207917-01	KISTLERC_1410
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	020922	705		020822	D	0830	06003	2204228-02	KISTLERC_76
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	022322	705		022222	D	0853	06003	2205927-02	KISTLERC_910
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030922	705		030822	D	0757	06003	2207917-02	KISTLERC_1411
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	021622	706		021522	D	0816	06003	2205118-03	KISTLERC_571
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030222	707		030122	D	0811	06003	2206954-03	KISTLERC_1409

**M.J. Reider Associates, Inc.**ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003**Certificate of Analysis****Laboratory No.:** 2206953**Reported:** 03/08/22**Lab Contact:** Christina M Kistler**Attention:** Chris Hannan
Reported To: SUEZ Middletown
453 S. Lawrence St.
Middletown, PA 17057**Project:** DW-Weekly WWTP Water Lab Sink
7220038**Lab ID:** 2206953-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink**Sampled:** 03/01/22 08:29 **Received:** 03/01/22 12:45
Sample Type: Grab**Notes:**

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	186	mg CaCO ₃ /L	2	SM 2320 B	03/07/22		APR	N/A N/A	
Total Hardness as CaCO ₃	319	mg/l	4.56	CALCULATED	03/03/22		HRG	N/A N/A	
Phosphorus as P, Total	0.08	mg/l	0.01	SM 4500-P F	03/03/22		SNF	N/A N/A	
Silica as SiO ₂	21.7	mg/l	2.14	CALCULATED	03/03/22		HRG	N/A N/A	
Conductivity	701	umhos/cm	1	SM 2510 B	03/03/22		ALL	N/A N/A	
Total Metals									
Calcium	100	mg/l	1	EPA 200.7 Rev 4.4	03/03/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	03/03/22		HRG	N/A 0.3	PASS
Magnesium	16.5	mg/l	0.5	EPA 200.7 Rev 4.4	03/03/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	03/02/22		MPB	N/A 0.05	PASS
Silicon	10.2	mg/l	1.0	EPA 200.7 Rev 4.4	03/03/22		HRG	N/A N/A	

Notes and Definitions

Pass Result less than EPA maximum contaminant level.

Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2206953-01			
SM 4500-P F	SM 4500-P B	03/02/2022	SNF



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2207917

Reported: 03/13/22

Lab Contact: Christina M Kistler

Attention: Chris Hannan
Reported To: SUEZ Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: Jan,Mar,May,Jul,Sep,Nov. Week 2
7220038

Lab ID: 2207917-01 **Collected By:** Client
Sample Desc: 704 Village of Pineford Office
Notes:

Sampled: 03/08/22 08:11 **Received:** 03/08/22 12:52
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 704

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	3/8/22 16:13	3/9/22 10:55		NAK	N/A 1

Lab ID: 2207917-02 **Collected By:** Client
Sample Desc: 705 High Street Standpipe
Notes:

Sampled: 03/08/22 07:57 **Received:** 03/08/22 12:52
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 705

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	3/8/22 16:13	3/9/22 10:55		NAK	N/A 1



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SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: SUEZ MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	021622	701		021522	D	0835	06003	2205118-01	KISTLERC_569
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030222	701		030122	D	0828	06003	2206954-01	KISTLERC_1407
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	021622	703		021522	D	0801	06003	2205118-02	KISTLERC_570
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030222	703		030122	D	0756	06003	2206954-02	KISTLERC_1408
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	020922	704		020822	D	0844	06003	2204228-01	KISTLERC_75
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	022322	704		022222	D	0839	06003	2205927-01	KISTLERC_909
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030922	704		030822	D	0811	06003	2207917-01	KISTLERC_1410
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	020922	705		020822	D	0830	06003	2204228-02	KISTLERC_76
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	022322	705		022222	D	0853	06003	2205927-02	KISTLERC_910
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030922	705		030822	D	0757	06003	2207917-02	KISTLERC_1411
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	021622	706		021522	D	0816	06003	2205118-03	KISTLERC_571
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030222	707		030122	D	0811	06003	2206954-03	KISTLERC_1409



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2207916

Reported: 03/17/22

Lab Contact: Christina M Kistler

Attention: Chris Hannan
Reported To: SUEZ Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2207916-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 03/08/22 08:27 **Received:** 03/08/22 12:52
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	184	mg CaCO ₃ /L	2	SM 2320 B	03/14/22		APR	N/A N/A	
Total Hardness as CaCO ₃	342	mg/l	4.56	CALCULATED	03/10/22		HRG	N/A N/A	
Phosphorus as P, Total	0.05	mg/l	0.01	SM 4500-P F	03/09/22		SNF	N/A N/A	
Silica as SiO ₂	19.9	mg/l	2.14	CALCULATED	03/10/22		HRG	N/A N/A	
Conductivity	714	umhos/cm	1	SM 2510 B	03/10/22		ALL	N/A N/A	
Total Metals									
Calcium	107	mg/l	1	EPA 200.7 Rev 4.4	03/10/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	03/10/22		HRG	N/A 0.3	PASS
Magnesium	18.0	mg/l	0.5	EPA 200.7 Rev 4.4	03/10/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	03/09/22		MPB	N/A 0.05	PASS
Silicon	9.3	mg/l	1.0	EPA 200.7 Rev 4.4	03/10/22		HRG	N/A N/A	

Notes and Definitions

Pass Result less than EPA maximum contaminant level.

Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2207916-01			
SM 4500-P F	SM 4500-P B	03/09/2022	MRW



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2208857

Reported: 03/18/22

Lab Contact: Christina M Kistler

Attention: Kodi Webb
Reported To: SUEZ Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: Jan,Mar,May,Jul,Sep,Nov. Week 3
7220038

Lab ID: 2208857-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:

Sampled: 03/15/22 08:32 **Received:** 03/15/22 13:30
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 701

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	3/15/22 16:36	3/16/22 10:38		NAK	N/A 1

Lab ID: 2208857-02 **Collected By:** Client
Sample Desc: 703 North Union Street Booster Station
Notes:

Sampled: 03/15/22 08:06 **Received:** 03/15/22 13:30
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 703

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	3/15/22 16:36	3/16/22 10:38		NAK	N/A 1

Lab ID: 2208857-03 **Collected By:** Client
Sample Desc: 707 Main St & Catherine St. Hydrant
Notes:

Sampled: 03/15/22 08:18 **Received:** 03/15/22 13:30
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 707

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	3/15/22 16:36	3/16/22 10:38		NAK	N/A 1



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7220038: SUEZ MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	021622	701		021522	D	0835	06003	2205118-01	KISTLERC_569
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030222	701		030122	D	0828	06003	2206954-01	KISTLERC_1407
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031622	701		031522	D	0832	06003	2208857-01	KISTLERC_2181
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	021622	703		021522	D	0801	06003	2205118-02	KISTLERC_570
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030222	703		030122	D	0756	06003	2206954-02	KISTLERC_1408
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031622	703		031522	D	0806	06003	2208857-02	KISTLERC_2182
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	020922	704		020822	D	0844	06003	2204228-01	KISTLERC_75
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	022322	704		022222	D	0839	06003	2205927-01	KISTLERC_909
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030922	704		030822	D	0811	06003	2207917-01	KISTLERC_1410
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	020922	705		020822	D	0830	06003	2204228-02	KISTLERC_76
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	022322	705		022222	D	0853	06003	2205927-02	KISTLERC_910
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030922	705		030822	D	0757	06003	2207917-02	KISTLERC_1411
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	021622	706		021522	D	0816	06003	2205118-03	KISTLERC_571
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030222	707		030122	D	0811	06003	2206954-03	KISTLERC_1409
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031622	707		031522	D	0818	06003	2208857-03	KISTLERC_2183



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2208856

Reported: 03/18/22

Lab Contact: Christina M Kistler

Attention: Kodi Webb
Reported To: SUEZ Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2208856-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 03/15/22 08:36 **Received:** 03/15/22 13:30
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	191	mg CaCO ₃ /L	2	SM 2320 B	03/16/22		APR	N/A N/A	
Total Hardness as CaCO ₃	336	mg/l	4.56	CALCULATED	03/17/22		HRG	N/A N/A	
Phosphorus as P, Total	0.05	mg/l	0.01	SM 4500-P F	03/17/22		SNF	N/A N/A	
Silica as SiO ₂	19.9	mg/l	2.14	CALCULATED	03/16/22		HRG	N/A N/A	
Conductivity	714	umhos/cm	1	SM 2510 B	03/16/22		ALL	N/A N/A	
Total Metals									
Calcium	105	mg/l	1	EPA 200.7 Rev 4.4	03/17/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	03/16/22		HRG	N/A 0.3	PASS
Magnesium	17.8	mg/l	0.5	EPA 200.7 Rev 4.4	03/17/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	03/16/22		MPB	N/A 0.05	PASS
Silicon	9.3	mg/l	1.0	EPA 200.7 Rev 4.4	03/16/22		HRG	N/A N/A	

Notes and Definitions

Pass Result less than EPA maximum contaminant level.

Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2208856-01			
SM 4500-P F	SM 4500-P B	03/16/2022	SNF



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2209862

Reported: 03/24/22

Lab Contact: Christina M Kistler

Attention: Kodi Webb
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: Jan,Mar,May,Jul,Sep,Nov. Week 4
7220038

Lab ID: 2209862-01 **Collected By:** Client
Sample Desc: 704 Village of Pineford Office
Notes:

Sampled: 03/22/22 08:15 **Received:** 03/22/22 13:10
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 704

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	3/22/22 16:30	3/23/22 10:41		JMW	N/A 1

Lab ID: 2209862-02 **Collected By:** Client
Sample Desc: 705 High Street Standpipe
Notes:

Sampled: 03/22/22 08:29 **Received:** 03/22/22 13:10
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 705

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	3/22/22 16:30	3/23/22 10:41		JMW	N/A 1



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VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	032322	704		032222	D	0815	06003	2209862-01	KISTLERC_192
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	032322	705		032222	D	0829	06003	2209862-02	KISTLERC_193



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2209861

Reported: 03/29/22

Lab Contact: Christina M Kistler

Attention: Chris Hannan
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2209861-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 03/22/22 08:49 **Received:** 03/22/22 13:10
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	187	mg CaCO ₃ /L	2	SM 2320 B	03/24/22		APR	N/A N/A	
Total Hardness as CaCO ₃	335	mg/l	4.56	CALCULATED	03/28/22		HRG	N/A N/A	
Phosphorus as P, Total	0.07	mg/l	0.01	SM 4500-P F	03/25/22		SNF	N/A N/A	
Silica as SiO ₂	22.4	mg/l	2.14	CALCULATED	03/24/22		HRG	N/A N/A	
Conductivity	713	umhos/cm	1	SM 2510 B	03/24/22		ALL	N/A N/A	
Total Metals									
Calcium	105	mg/l	1	EPA 200.7 Rev 4.4	03/28/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	03/23/22		HRG	N/A 0.3	PASS
Magnesium	17.8	mg/l	0.5	EPA 200.7 Rev 4.4	03/28/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	03/24/22		MPB	N/A 0.05	PASS
Silicon	10.5	mg/l	1.0	EPA 200.7 Rev 4.4	03/24/22		HRG	N/A N/A	

Notes and Definitions

Pass Result less than EPA maximum contaminant level.

Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2209861-01			
SM 4500-P F	SM 4500-P B	03/24/2022	MRW



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2210749

Reported: 04/04/22

Lab Contact: Christina M Kistler

Attention: Kodi Webb
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2210749-01 **Collected By:** client
Sample Desc: WWTP Lab Sink

Sampled: 03/29/22 08:32 **Received:** 03/29/22 13:30
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	188	mg CaCO ₃ /L	2	SM 2320 B	03/31/22		APR	N/A N/A	
Total Hardness as CaCO ₃	321	mg/l	4.56	CALCULATED	03/30/22		HRG	N/A N/A	
Phosphorus as P, Total	0.05	mg/l	0.01	SM 4500-P F	03/30/22		MRW	N/A N/A	
Silica as SiO ₂	21.9	mg/l	2.14	CALCULATED	03/31/22		HRG	N/A N/A	
Conductivity	705	umhos/cm	1	SM 2510 B	03/30/22		ALL	N/A N/A	
Total Metals									
Calcium	100	mg/l	1	EPA 200.7 Rev 4.4	03/30/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	03/30/22		HRG	N/A 0.3	PASS
Magnesium	17.5	mg/l	0.5	EPA 200.7 Rev 4.4	03/30/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	03/29/22		MPB	N/A 0.05	PASS
Silicon	10.2	mg/l	1.0	EPA 200.7 Rev 4.4	03/31/22		HRG	N/A N/A	

Notes and Definitions

Pass Result less than EPA maximum contaminant level.

Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2210749-01			
SM 4500-P F	SM 4500-P B	03/29/2022	MRW



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Thu, Apr 7, 2022 at 10:37 AM

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File Name	User	Record ID Range
PA DEP SDWA-1 100 Well No 1.xls	HANNANJ	HANNANJ_1 through HANNANJ_31

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ra-padwis@state.pa.us <ra-padwis@state.pa.us>
To: kodi.webb@veolia.com, james.hannan@suez.com

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File Name	User	Record ID Range
PA DEP SDWA-1 102 Well No 2.xls	HANNANJ	HANNANJ_32 through HANNANJ_62

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PA DEP SDWA-1 103 Well No 3.xls	HANNANJ	HANNANJ_63 through HANNANJ_93

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PA DEP SDWA-1 104 Well No 4.xls	HANNANJ	HANNANJ_94 through HANNANJ_124

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PA DEP SDWA-1 105 Well No 5.xls	HANNANJ	HANNANJ_125 through HANNANJ_155

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File Name	User	Record ID Range
PA DEP SDWA-1 106 Well No 6.xls	HANNANJ	HANNANJ_156 through HANNANJ_186

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Thu, Apr 7, 2022 at 10:46 AM

HANNANJ successfully added data to DWELR on 04/07/22 at 10:41 AM. Form: SDWA1.

Form Type	User	LabID	PWSID	ContamID	Pre_ID	Loc_Epid	Sample Date
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_187	701	030122
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_188	703	030122
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_189	707	030122
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_190	704	030822
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_191	705	030822
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_192	701	031522
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_193	703	031522
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_194	707	031522
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_195	704	032222
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_196	705	032222
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_197	706	032822

Until the 11th of each month, you may obtain a copy of record by accessing the "Printer Friendly Version" of the View and Edit Records screen in DWELR. On or after the 12th of the month, you may view the sample results the Department has on file by accessing the Drinking Water Reporting System at <http://www.drinkingwater.state.pa.us/dwrs/HTM/Welcome.html>. If you see errors in the results which you submitted and would like to repudiate any of the results or wish to request a copy of record, please contact the PADWIS Section at 717-772-4018.

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE	301	0.84	030122	100		030122	E	0830	22604		HANNANJ_1
7220038	1013	FREE CHLORINE	301	0.93	030222	100		030222	E	0003	22604		HANNANJ_2
7220038	1013	FREE CHLORINE	301	1.02	030322	100		030322	E	1801	22604		HANNANJ_3
7220038	1013	FREE CHLORINE	301	0.93	030422	100		030422	E	1419	22604		HANNANJ_4
7220038	1013	FREE CHLORINE	301	0.95	030522	100		030522	E	1613	22604		HANNANJ_5
7220038	1013	FREE CHLORINE	301	0.98	030622	100		030622	E	1153	22604		HANNANJ_6
7220038	1013	FREE CHLORINE	301	0.84	030722	100		030722	E	1827	22604		HANNANJ_7
7220038	1013	FREE CHLORINE	301	0.79	030822	100		030822	E	2156	22604		HANNANJ_8
7220038	1013	FREE CHLORINE	301	0.84	030922	100		030922	E	0757	22604		HANNANJ_9
7220038	1013	FREE CHLORINE	301	0.93	031022	100		031022	E	1452	22604		HANNANJ_10
7220038	1013	FREE CHLORINE	301	0.98	031122	100		031122	E	1837	22604		HANNANJ_11
7220038	1013	FREE CHLORINE	301	0.89	031222	100		031222	E	2011	22604		HANNANJ_12
7220038	1013	FREE CHLORINE	301	0.84	031322	100		031322	E	1224	22604		HANNANJ_13
7220038	1013	FREE CHLORINE	301	0.89	031422	100		031422	E	1426	22604		HANNANJ_14
7220038	1013	FREE CHLORINE	301	0.89	031522	100		031522	E	1629	22604		HANNANJ_15
7220038	1013	FREE CHLORINE	301	0.98	031622	100		031622	E	0915	22604		HANNANJ_16
7220038	1013	FREE CHLORINE	301	0.75	031722	100		031722	E	1037	22604		HANNANJ_17
7220038	1013	FREE CHLORINE	301	0.79	031822	100		031822	E	0352	22604		HANNANJ_18
7220038	1013	FREE CHLORINE	301	0.79	031922	100		031922	E	1044	22604		HANNANJ_19
7220038	1013	FREE CHLORINE	301	0.84	032022	100		032022	E	2213	22604		HANNANJ_20
7220038	1013	FREE CHLORINE	301	0.84	032122	100		032122	E	1931	22604		HANNANJ_21
7220038	1013	FREE CHLORINE	301	0.84	032222	100		032222	E	1022	22604		HANNANJ_22
7220038	1013	FREE CHLORINE	301	0.84	032322	100		032322	E	2037	22604		HANNANJ_23

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE	301	0.79	032422	100		032422	E	0731	22604		HANNANJ_24
7220038	1013	FREE CHLORINE	301	0.79	032522	100		032522	E	0913	22604		HANNANJ_25
7220038	1013	FREE CHLORINE	301	0.84	032622	100		032622	E	1010	22604		HANNANJ_26
7220038	1013	FREE CHLORINE	301	0.79	032722	100		032722	E	2359	22604		HANNANJ_27
7220038	1013	FREE CHLORINE	301	0.79	032822	100		032822	E	0002	22604		HANNANJ_28
7220038	1013	FREE CHLORINE	301	0.93	032922	100		032922	E	0925	22604		HANNANJ_29
7220038	1013	FREE CHLORINE	301	0.93	033022	100		033022	E	1439	22604		HANNANJ_30
7220038	1013	FREE CHLORINE	301	1.02	033122	100		033122	E	1429	22604		HANNANJ_31
7220038	1013	FREE CHLORINE	301	0.63	030122	102		030122	E	1211	22604		HANNANJ_32
7220038	1013	FREE CHLORINE	301	0.9	030222	102		030222	E	1917	22604		HANNANJ_33
7220038	1013	FREE CHLORINE	301	0.84	030322	102		030322	E	2058	22604		HANNANJ_34
7220038	1013	FREE CHLORINE	301	0.82	030422	102		030422	E	2359	22604		HANNANJ_35
7220038	1013	FREE CHLORINE	301	0.82	030522	102		030522	E	1225	22604		HANNANJ_36
7220038	1013	FREE CHLORINE	301	0.78	030622	102		030622	E	1433	22604		HANNANJ_37
7220038	1013	FREE CHLORINE	301	0.78	030722	102		030722	E	2102	22604		HANNANJ_38
7220038	1013	FREE CHLORINE	301	0.76	030822	102		030822	E	2339	22604		HANNANJ_39
7220038	1013	FREE CHLORINE	301	0.74	030922	102		030922	E	1022	22604		HANNANJ_40
7220038	1013	FREE CHLORINE	301	0.7	031022	102		031022	E	1102	22604		HANNANJ_41
7220038	1013	FREE CHLORINE	301	0.72	031122	102		031122	E	1348	22604		HANNANJ_42
7220038	1013	FREE CHLORINE	301	0.71	031222	102		031222	E	2227	22604		HANNANJ_43

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE	301	0.72	031322	102		031322	E	2230	22604		HANNANJ_44
7220038	1013	FREE CHLORINE	301	0.69	031422	102		031422	E	2330	22604		HANNANJ_45
7220038	1013	FREE CHLORINE	301	0.7	031522	102		031522	E	0002	22604		HANNANJ_46
7220038	1013	FREE CHLORINE	301	0.71	031622	102		031622	E	1119	22604		HANNANJ_47
7220038	1013	FREE CHLORINE	301	0.69	031722	102		031722	E	0203	22604		HANNANJ_48
7220038	1013	FREE CHLORINE	301	0.72	031822	102		031822	E	0602	22604		HANNANJ_49
7220038	1013	FREE CHLORINE	301	0.73	031922	102		031922	E	0112	22604		HANNANJ_50
7220038	1013	FREE CHLORINE	301	0.74	032022	102		032022	E	1149	22604		HANNANJ_51
7220038	1013	FREE CHLORINE	301	0.71	032122	102		032122	E	1411	22604		HANNANJ_52
7220038	1013	FREE CHLORINE	301	0.73	032222	102		032222	E	0518	22604		HANNANJ_53
7220038	1013	FREE CHLORINE	301	0.76	032322	102		032322	E	1543	22604		HANNANJ_54
7220038	1013	FREE CHLORINE	301	0.78	032422	102		032422	E	1744	22604		HANNANJ_55
7220038	1013	FREE CHLORINE	301	0.79	032522	102		032522	E	1131	22604		HANNANJ_56
7220038	1013	FREE CHLORINE	301	0.8	032622	102		032622	E	0127	22604		HANNANJ_57
7220038	1013	FREE CHLORINE	301	0.82	032722	102		032722	E	1359	22604		HANNANJ_58
7220038	1013	FREE CHLORINE	301	0.8	032822	102		032822	E	1202	22604		HANNANJ_59
7220038	1013	FREE CHLORINE	301	0.78	032922	102		032922	E	1243	22604		HANNANJ_60
7220038	1013	FREE CHLORINE	301	0.82	033022	102		033022	E	0951	22604		HANNANJ_61
7220038	1013	FREE CHLORINE	301	0.85	033122	102		033122	E	1041	22604		HANNANJ_62
7220038	1013	FREE CHLORINE				103		030122	N				HANNANJ_63

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE				103		030222	N				HANNANJ_64
7220038	1013	FREE CHLORINE				103		030322	N				HANNANJ_65
7220038	1013	FREE CHLORINE				103		030422	N				HANNANJ_66
7220038	1013	FREE CHLORINE				103		030522	N				HANNANJ_67
7220038	1013	FREE CHLORINE				103		030622	N				HANNANJ_68
7220038	1013	FREE CHLORINE				103		030722	N				HANNANJ_69
7220038	1013	FREE CHLORINE				103		030822	N				HANNANJ_70
7220038	1013	FREE CHLORINE				103		030922	N				HANNANJ_71
7220038	1013	FREE CHLORINE				103		031022	N				HANNANJ_72
7220038	1013	FREE CHLORINE				103		031122	N				HANNANJ_73
7220038	1013	FREE CHLORINE				103		031222	N				HANNANJ_74
7220038	1013	FREE CHLORINE				103		031322	N				HANNANJ_75
7220038	1013	FREE CHLORINE				103		031422	N				HANNANJ_76
7220038	1013	FREE CHLORINE				103		031522	N				HANNANJ_77
7220038	1013	FREE CHLORINE				103		031622	N				HANNANJ_78
7220038	1013	FREE CHLORINE				103		031722	N				HANNANJ_79
7220038	1013	FREE CHLORINE				103		031822	N				HANNANJ_80
7220038	1013	FREE CHLORINE				103		031922	N				HANNANJ_81
7220038	1013	FREE CHLORINE				103		032022	N				HANNANJ_82
7220038	1013	FREE CHLORINE				103		032122	N				HANNANJ_83

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE				103		032222	N				HANNANJ_84
7220038	1013	FREE CHLORINE				103		032322	N				HANNANJ_85
7220038	1013	FREE CHLORINE				103		032422	N				HANNANJ_86
7220038	1013	FREE CHLORINE				103		032522	N				HANNANJ_87
7220038	1013	FREE CHLORINE				103		032622	N				HANNANJ_88
7220038	1013	FREE CHLORINE				103		032722	N				HANNANJ_89
7220038	1013	FREE CHLORINE				103		032822	N				HANNANJ_90
7220038	1013	FREE CHLORINE				103		032922	N				HANNANJ_91
7220038	1013	FREE CHLORINE				103		033022	N				HANNANJ_92
7220038	1013	FREE CHLORINE				103		033122	N				HANNANJ_93
7220038	1013	FREE CHLORINE				104		030122	N				HANNANJ_94
7220038	1013	FREE CHLORINE				104		030222	N				HANNANJ_95
7220038	1013	FREE CHLORINE				104		030322	N				HANNANJ_96
7220038	1013	FREE CHLORINE				104		030422	N				HANNANJ_97
7220038	1013	FREE CHLORINE				104		030522	N				HANNANJ_98
7220038	1013	FREE CHLORINE				104		030622	N				HANNANJ_99
7220038	1013	FREE CHLORINE				104		030722	N				HANNANJ_100
7220038	1013	FREE CHLORINE				104		030822	N				HANNANJ_101
7220038	1013	FREE CHLORINE				104		030922	N				HANNANJ_102
7220038	1013	FREE CHLORINE				104		031022	N				HANNANJ_103

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE				104		031122	N				HANNANJ_104
7220038	1013	FREE CHLORINE				104		031222	N				HANNANJ_105
7220038	1013	FREE CHLORINE				104		031322	N				HANNANJ_106
7220038	1013	FREE CHLORINE				104		031422	N				HANNANJ_107
7220038	1013	FREE CHLORINE				104		031522	N				HANNANJ_108
7220038	1013	FREE CHLORINE				104		031622	N				HANNANJ_109
7220038	1013	FREE CHLORINE				104		031722	N				HANNANJ_110
7220038	1013	FREE CHLORINE				104		031822	N				HANNANJ_111
7220038	1013	FREE CHLORINE				104		031922	N				HANNANJ_112
7220038	1013	FREE CHLORINE				104		032022	N				HANNANJ_113
7220038	1013	FREE CHLORINE				104		032122	N				HANNANJ_114
7220038	1013	FREE CHLORINE				104		032222	N				HANNANJ_115
7220038	1013	FREE CHLORINE				104		032322	N				HANNANJ_116
7220038	1013	FREE CHLORINE				104		032422	N				HANNANJ_117
7220038	1013	FREE CHLORINE				104		032522	N				HANNANJ_118
7220038	1013	FREE CHLORINE				104		032622	N				HANNANJ_119
7220038	1013	FREE CHLORINE				104		032722	N				HANNANJ_120
7220038	1013	FREE CHLORINE				104		032822	N				HANNANJ_121
7220038	1013	FREE CHLORINE				104		032922	N				HANNANJ_122
7220038	1013	FREE CHLORINE				104		033022	N				HANNANJ_123

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE				104		033122	N				HANNANJ_124
7220038	1013	FREE CHLORINE	301	1.05	030122	105		030122	E	0843	22604		HANNANJ_125
7220038	1013	FREE CHLORINE	301	1.05	030222	105		030222	E	1601	22604		HANNANJ_126
7220038	1013	FREE CHLORINE	301	1.1	030322	105		030322	E	1012	22604		HANNANJ_127
7220038	1013	FREE CHLORINE	301	0.9	030422	105		030422	E	0640	22604		HANNANJ_128
7220038	1013	FREE CHLORINE	301	1.1	030522	105		030522	E	0946	22604		HANNANJ_129
7220038	1013	FREE CHLORINE	301	1.15	030622	105		030622	E	1220	22604		HANNANJ_130
7220038	1013	FREE CHLORINE	301	1.15	030722	105		030722	E	0905	22604		HANNANJ_131
7220038	1013	FREE CHLORINE	301	1.15	030822	105		030822	E	1503	22604		HANNANJ_132
7220038	1013	FREE CHLORINE	301	1.15	030922	105		030922	E	2100	22604		HANNANJ_133
7220038	1013	FREE CHLORINE	301	1.05	031022	105		031022	E	0852	22604		HANNANJ_134
7220038	1013	FREE CHLORINE	301	1.1	031122	105		031122	E	0941	22604		HANNANJ_135
7220038	1013	FREE CHLORINE	301	1.1	031222	105		031222	E	0654	22604		HANNANJ_136
7220038	1013	FREE CHLORINE	301	1.2	031322	105		031322	E	0440	22604		HANNANJ_137
7220038	1013	FREE CHLORINE	301	1.2	031422	105		031422	E	0809	22604		HANNANJ_138
7220038	1013	FREE CHLORINE	301	1.2	031522	105		031522	E	0830	22604		HANNANJ_139
7220038	1013	FREE CHLORINE	301	1.2	031622	105		031622	E	0941	22604		HANNANJ_140
7220038	1013	FREE CHLORINE	301	1.2	031722	105		031722	E	1045	22604		HANNANJ_141
7220038	1013	FREE CHLORINE	301	1.15	031822	105		031822	E	1648	22604		HANNANJ_142
7220038	1013	FREE CHLORINE	301	1.15	031922	105		031922	E	1031	22604		HANNANJ_143

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE	301	1.15	032022	105		032022	E	0852	22604		HANNANJ_144
7220038	1013	FREE CHLORINE	301	1.15	032122	105		032122	E	0912	22604		HANNANJ_145
7220038	1013	FREE CHLORINE	301	1.15	032222	105		032222	E	1007	22604		HANNANJ_146
7220038	1013	FREE CHLORINE	301	1.1	032322	105		032322	E	0653	22604		HANNANJ_147
7220038	1013	FREE CHLORINE	301	1.15	032422	105		032422	E	0733	22604		HANNANJ_148
7220038	1013	FREE CHLORINE	301	1.15	032522	105		032522	E	0904	22604		HANNANJ_149
7220038	1013	FREE CHLORINE	301	1.15	032622	105		032622	E	1840	22604		HANNANJ_150
7220038	1013	FREE CHLORINE	301	1.15	032722	105		032722	E	0539	22604		HANNANJ_151
7220038	1013	FREE CHLORINE	301	1.05	032822	105		032822	E	0920	22604		HANNANJ_152
7220038	1013	FREE CHLORINE	301	1.1	032922	105		032922	E	0952	22604		HANNANJ_153
7220038	1013	FREE CHLORINE	301	1.1	033022	105		033022	E	1444	22604		HANNANJ_154
7220038	1013	FREE CHLORINE	301	1.1	033122	105		033122	E	0826	22604		HANNANJ_155
7220038	1013	FREE CHLORINE	301	1.08	030122	106		030122	E	0938	22604		HANNANJ_156
7220038	1013	FREE CHLORINE	301	1.05	030222	106		030222	E	1653	22604		HANNANJ_157
7220038	1013	FREE CHLORINE	301	1.05	030322	106		030322	E	1104	22604		HANNANJ_158
7220038	1013	FREE CHLORINE	301	1.05	030422	106		030422	E	1503	22604		HANNANJ_159
7220038	1013	FREE CHLORINE	301	1.05	030522	106		030522	E	1028	22604		HANNANJ_160
7220038	1013	FREE CHLORINE	301	1.05	030622	106		030622	E	1236	22604		HANNANJ_161
7220038	1013	FREE CHLORINE	301	1.1	030722	106		030722	E	1913	22604		HANNANJ_162
7220038	1013	FREE CHLORINE	301	1.05	030822	106		030822	E	1604	22604		HANNANJ_163

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE	301	1.05	030922	106		030922	E	0844	22604		HANNANJ_164
7220038	1013	FREE CHLORINE	301	1.05	031022	106		031022	E	2307	22604		HANNANJ_165
7220038	1013	FREE CHLORINE	301	1.05	031122	106		031122	E	1920	22604		HANNANJ_166
7220038	1013	FREE CHLORINE	301	1.0	031222	106		031222	E	2101	22604		HANNANJ_167
7220038	1013	FREE CHLORINE	301	1.0	031322	106		031322	E	0540	22604		HANNANJ_168
7220038	1013	FREE CHLORINE	301	1.0	031422	106		031422	E	1458	22604		HANNANJ_169
7220038	1013	FREE CHLORINE	301	1.0	031522	106		031522	E	0859	22604		HANNANJ_170
7220038	1013	FREE CHLORINE	301	1.05	031622	106		031622	E	1711	22604		HANNANJ_171
7220038	1013	FREE CHLORINE	301	1.0	031722	106		031722	E	1128	22604		HANNANJ_172
7220038	1013	FREE CHLORINE	301	1.05	031822	106		031822	E	2333	22604		HANNANJ_173
7220038	1013	FREE CHLORINE	301	1.0	031922	106		031922	E	1948	22604		HANNANJ_174
7220038	1013	FREE CHLORINE	301	1.0	032022	106		032022	E	2334	22604		HANNANJ_175
7220038	1013	FREE CHLORINE	301	1.01	032122	106		032122	E	2026	22604		HANNANJ_176
7220038	1013	FREE CHLORINE	301	1.0	032222	106		032222	E	1824	22604		HANNANJ_177
7220038	1013	FREE CHLORINE	301	0.95	032322	106		032322	E	2123	22604		HANNANJ_178
7220038	1013	FREE CHLORINE	301	0.9	032422	106		032422	E	0831	22604		HANNANJ_179
7220038	1013	FREE CHLORINE	301	0.95	032522	106		032522	E	1611	22604		HANNANJ_180
7220038	1013	FREE CHLORINE	301	0.9	032622	106		032622	E	1050	22604		HANNANJ_181
7220038	1013	FREE CHLORINE	301	0.95	032722	106		032722	E	0628	22604		HANNANJ_182
7220038	1013	FREE CHLORINE	301	1.0	032822	106		032822	E	1655	22604		HANNANJ_183

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE	301	0.95	032922	106		032922	E	1800	22604		HANNANJ_184
7220038	1013	FREE CHLORINE	301	0.95	033022	106		033022	E	1541	22604		HANNANJ_185
7220038	1013	FREE CHLORINE	301	0.95	033122	106		033122	E	0925	22604		HANNANJ_186
7220038	1013	FREE CHLORINE	301	0.77	030122	701		030122	D	0828	22604		HANNANJ_187
7220038	1013	FREE CHLORINE	301	0.77	031522	701		031522	D	0832	22604		HANNANJ_192
7220038	1013	FREE CHLORINE	301	1.05	030122	703		030122	D	0756	22604		HANNANJ_188
7220038	1013	FREE CHLORINE	301	0.89	031522	703		031522	D	0806	22604		HANNANJ_193
7220038	1013	FREE CHLORINE	301	1.09	030822	704		030822	D	0811	22604		HANNANJ_190
7220038	1013	FREE CHLORINE	301	0.84	032222	704		032222	D	0815	22604		HANNANJ_195
7220038	1013	FREE CHLORINE	301	1.11	030822	705		030822	D	0757	22604		HANNANJ_191
7220038	1013	FREE CHLORINE	301	1.0	032222	705		032222	D	0829	22604		HANNANJ_196
7220038	1013	FREE CHLORINE	301	0.74	032822	706		032822	D	0918	22604		HANNANJ_197
7220038	1013	FREE CHLORINE	301	0.69	030122	707		030122	D	0811	22604		HANNANJ_189
7220038	1013	FREE CHLORINE	301	0.76	031522	707		031522	D	0818	22604		HANNANJ_194

MIDDLETOWN MONTHLY REPORT

APPENDIX 3 CUSTOMER SERVICE

MONTHLY CONSUMPTION, BILLING & TRANSACTION REPORTS

&

HOMESERVE REPORT

	NUMBER#	TOTAL ARREARS	TOTAL CURRENT	TOTAL BALANCE	ACTIVE ACCOUNT RECONCILIATION
ACTIVE ACCOUNTS:	2,703	208,742.26	728,057.25	936,799.51	NEW ACCOUNTS: 14
DISCONNECTED ACCTS:	11	1,596.01	910.60	2,506.61	DISCONNECT--NO TRF: 11
FINALED ACCOUNTS:	319	3,557.19CR		3,557.19CR	DISCONNECT--TRANSFER: 0
INACTIVE ACCOUNTS:	12,250	0.00		0.00	
GRAND TOTALS	15,283	206,781.08	728,967.85	935,748.93	

****CALCULATION SUMMARY****

TOTAL CHARGES:	728,967.85
DEPOSIT RETURNS:	0.00
TOTAL CURRENT:	728,967.85

===== SERVICE CATEGORY TOTALS =====

CATEGORY	NUMBER	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION
S SEWER	2633	420,272.67	0.00	0.00	0.00	15257,200.0000		15257,200.0000
SR SURCHARGE	2	0.00	0.00	0.00	0.00			
SR2 SURCHARGE 2	2681	85,457.55	0.00	0.00	0.00			
W WATER	5327	223,237.63	0.00	0.00	0.00	19119,800.0000		19119,800.0000
TOTALS		728,967.85	0.00	0.00	0.00			

===== REVENUE CODE TOTALS =====

SERVICES:	R/C DESCRIPTION	G/L ACCOUNT#	AMOUNT
	200-WTR MDT	687-145900	70,789.01
	203-WTR MDT COMMERCIAL	687-145900	91,619.12
	206-CUSTOMER CHARGE	687-145900	10,848.72
	207-SERVICE CHG / METER	687-145900	42,713.71
	210-WTR ROYAL	687-145900	7,215.00
	220-WTR L SWT	687-145900	52.07
	230-SURCHARGE WATER/SEWER	687-145900	0.00
	231-SURCHARGE WATER/SEWER	687-145900	85,457.55
	300-SWR MDT	687-145800	297,415.72
	306-SW CUST CHARGE	687-145800	56,620.05
	310-SWR ROYAL	687-145800	22,632.84
	320-SWR L SWT	687-145800	43,604.06
R/C TOTALS			728,967.85

===== RATE TABLE TOTALS =====

CAT	CODE	TBL	DESCRIPTION	SCHED	NO#	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MLT.
S	300	LST	SEWER -LWR SW TWP	LST	1	43,604.06	0.00	0.00	0.00		
S	300	RB	SEWER -ROYALTON	RB	1	22,632.84	0.00	0.00	0.00		
S	300	SW	SEWER	SW	2631	354,035.77	0.00	0.00	0.00	15,257,200.0000	804

===== R A T E T A B L E T O T A L S =====
** (CONTINUED) **

CAT	CODE	TBL	DESCRIPTION	SCHED	NO#	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MLT.
SR	230	SR2	SURCHARGE WATER/SEWE	SR2	2	0.00	0.00	0.00	0.00		
SR2	231	SR2	SURCHARGE WATER/SEWE	SR2	2681	85,457.55	0.00	0.00	0.00		
W	200	C10	COMM 1" MTR	C10	35	3,799.94	0.00	0.00	0.00	331,700.0000	
W	200	C15	COMM 1 1/2" MTR	C15	9	5,641.27	0.00	0.00	0.00	590,300.0000	
W	200	C20	COMM 2" MTR	C20	21	16,341.00	0.00	0.00	0.00	1,720,500.0000	
W	200	C30	COMM 3" MTR	C30	5	7,279.43	0.00	0.00	0.00	775,400.0000	
W	200	C40	COMM 4" MTR	C40	2	279.90	0.00	0.00	0.00	23,000.0000	
W	200	C58	COMM 5/8" MTR	C58	8	437.72	0.00	0.00	0.00	30,300.0000	
W	200	C60	COMM 6" MTR	C60	13	53,432.15	0.00	0.00	0.00	5,745,400.0000	
W	200	C75	COMM 3/4" MTR	C75	2	201.74	0.00	0.00	0.00	17,500.0000	
W	200	C80	COMM 8" MTR	C80	4	6,866.32	0.00	0.00	0.00	724,500.0000	
W	200	COM	COMPOUND WATER N/C	COM	14	0.00	0.00	0.00	0.00		
W	200	LS8	LOWER SWAT 8" MTR	LS8	1	52.07	0.00	0.00	0.00	200.0000	
W	200	NCW	NO CHG	NCW	27	0.00	0.00	0.00	0.00	50,000.0000	
W	200	R10	RESID 1" MTR	R10	6	235.00	0.00	0.00	0.00	11,600.0000	
W	200	R58	RESID - 5/8" MTR	R58	2553	118,164.30	0.00	0.00	0.00	7,338,300.0000	
W	200	R60	RESID 6" MTR	R60	1	2,856.63	0.00	0.00	0.00	305,700.0000	
W	200	R75	RESID 3/4" MTR	R75	3	304.91	0.00	0.00	0.00	26,500.0000	
W	200	RB6	ROYALTON BOR 6" MTR	RB6	2	7,215.00	0.00	0.00	0.00	1,428,900.0000	
W	210	A1V	FLAT RATE WATER -VAR	A1V	2	130.25	0.00	0.00	0.00		
W	220	MC	WATER METER CHARGE - MC	MC	2619	0.00	0.00	0.00	0.00		
TOTALS						728,967.85	0.00	0.00	0.00		

===== M E T E R G R O U P T O T A L S =====

CODE	DESCRIPTION	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION	DEMAND CONSUMPTION
W	WATER	19,119,800.0000	0.000	19,119,800.0000	

===== R E F U N D E D D E P O S I T T O T A L S =====

CODE	DESCRIPTION	NUMBER	AMOUNT
DEPOSIT TOTALS		0	0.00

===== D A I L Y D I S T R I B U T I O N =====

TYPE	DAY	COUNT	AMOUNT
ADJUSTMENT	01	2	344.60CR
	03	4	16.77CR
	07	4	19,512.07
	08	1	71.00CR
	09	6	75.75CR
	11	6	756.52CR
	15	2	80.00
	16	5	801.88CR
	24	4	589.47
	28	12	0.00
	29	158	216.08CR
	ADJUSTMENT TOTAL		17,898.94
BILL	01	2	23.10CR
	02	2	115.52CR
	03	4	75.92CR
	07	2	85.82CR
	14	2	120.00
	15	2	31.35CR
	16	3	354.58
	22	1	111.17
	23	2	85.38
	24	1	92.20
	25	2	106.01
	28	26	501.64CR
	29	2,706	728,931.86
	30	1	0.00
	BILL TOTAL		728,967.85
APPLIED DEPOSIT	16	1	0.00
	23	1	0.00
APPLIED TOTAL			0.00
LATE CHARGE	01	454	5,696.71
	29	397	4,542.60
LATE TOTAL			10,239.31
MEMO	01	14	0.00
	21	41	0.00
	22	10	0.00
	23	29	0.00
	24	48	0.00
	25	22	0.00
	28	26	0.00

Difference - adj. total ± \$ billed - other Revenue
\$28,138.25

===== D A I L Y D I S T R I B U T I O N =====

TYPE	DAY	COUNT	AMOUNT
	29	8	0.00
	30	9	0.00
	31	12	0.00
MEMO TOTAL			0.00
PAYMENT	01	22	4,629.63CR
	02	96	16,120.83CR
	03	110	16,206.84CR
	04	101	17,522.37CR
	07	80	33,361.44CR
	08	285	43,263.87CR
	09	70	30,678.11CR
	10	193	33,448.12CR
	11	160	24,968.02CR
	14	115	21,566.43CR
	15	229	184,439.76CR
	16	117	29,048.08CR
	17	130	21,855.94CR
	18	80	14,594.39CR
	21	72	20,047.43CR
	22	10	1,268.81CR
	23	36	5,816.72CR
	24	62	16,098.12CR
	25	30	5,288.36CR
	28	31	5,929.03CR
	29	45	40,598.20CR
	30	17	3,942.93CR
	31	27	7,038.58CR
PAYMENT TOTAL			597,732.01CR
DRAFT	16	327	46,207.75CR
	21	27	21,300.89CR
DRAFT TOTAL			67,508.64CR
REVERSE-PAY	16	1	529.52
	24	1	192.87
REVERSE PAY TOTAL			722.39
GRAND TOTAL FOR PERIOD			92,587.84

Total Collected
\$665,240.65

*** SERVICE CATEGORY TOTALS ***

SERV CATG	NUMBER BILLED	BILL CONS	TOTAL CONS	DEMAND CONS	TAX AMOUNT	BILL AMOUNT
S	2,634	15,257,200	15,257,200		\$	420,272.67
SR	2,662	0	0			
SR2	2,682	0	0		\$	85,457.55
W	5,329	19,119,800	19,119,800		\$	223,237.63

4/08/2022 3:09 PM
ZONE: < All Zones >
SORT: ACCOUNT

MXU REPORT

PAGE: 70
GROUP: * - All Groups

METER NO#	ACCOUNT NO#	NAME	ADDRESS	MXU TYPE	MXU ID
W 68321092	INVENTORY				1460155946 Duplica
W 68321088	INVENTORY				1460082070 Duplica
W 8652384	INVENTORY				1440127130 Duplica
W 68652383	INVENTORY				1460195730 Duplica
W 69632167	INVENTORY				1460195756 Duplica
W 70112613A	INVENTORY				1470321453 Duplica
W 70112613	INVENTORY				1470321452 Duplica
W 70323396	INVENTORY				1471966926 Duplica
W 70323396A	INVENTORY				1471966927 Duplica
W 70323397A	INVENTORY				1470157603 Duplica
W 70323397	INVENTORY				1470157602 Duplica
W 69632184	INVENTORY				1542361382
W 35670264	INVENTORY				1440131648 Duplica
W 35670270	INVENTORY				1542411182
W 35670271	INVENTORY				1440096730 Duplica
W 35670267	INVENTORY				1551255668
W 36512912	INVENTORY				1460079314 Duplica
W 36512915	INVENTORY				1568109238
W 36512901	INVENTORY				1440121830 Duplica
W 36512922	INVENTORY				1460197074 Duplica
W 37016026	INVENTORY				1470153476
W 27016014	INVENTORY				1548612198
W 85441897	INVENTORY				1563419820
W 53388599	INVENTORY				1551754996
W 10871871	INVENTORY				1568031178

*** TOTAL METERS IN SERVICE 2723
*** TOTAL METERS IN INVENTORY 683

===== REPORT TOTALS =====

==== REVENUE CODE TOTALS =====

REVENUE CODE:	--CURRENT--	+1 MONTHS	+2 MONTHS	+3 MONTHS	+4 MONTHS	--BALANCE--
081-NSF CK FEE	0.00	40.00	0.00	0.00	0.00	40.00
200-WTR MDT	70038.00	13754.36	7066.01	2683.97	9801.94	103344.28
201-WATER TURN ON	0.00	91.14	11.46	10.08	19.42	132.10
203-WTR MDT COMMERCIAL	88999.73	10943.21	3560.02	346.70	524.63	104374.29
206-CUSTOMER CHARGE	10529.32	1926.46	930.88	368.94	2912.88	16668.48
207-SERVICE CHG / METER	41383.90	7628.06	3634.08	1429.77	11333.54	65409.35
210-WTR ROYAL	7215.00	6791.50	0.00	0.00	0.00	14006.50
220-WTR L SWT	52.07	0.00	0.00	0.00	0.00	52.07
230-SURCHARGE WATER/SEWER	16.28	32.40	29.80	25.50	1921.19	2025.17
231-SURCHARGE WATER/SEWER	82910.24	7108.47	1929.28	496.58	1293.54	93738.11
275-WTR PEN	180.15CR	2076.01	903.50	228.87	831.64	3859.87
300-SWR MDT	294586.15	51917.38	22420.37	6385.51	19903.63	395213.04
306-SW CUST CHARGE	54923.50	10138.44	5027.39	2066.81	26605.92	98762.06
310-SWR ROYAL	22632.84	0.00	0.00	0.00	0.00	22632.84
320-SWR L SWT	43604.06	0.00	0.00	0.00	0.00	43604.06
375-SWR PEN	254.82CR	3480.12	1528.19	392.19	1938.22	7083.90
996-UNAPPLIED	27790.04CR	0.00	0.00	0.00	0.00	27790.04CR
999-REFUND	17541.68CR	0.00	0.00	0.00	0.00	17541.68CR
TOTALS	671124.40	115927.55	47040.98	14434.92	77086.55	925614.40

TOTAL REVENUE CODES: 925,614.40
 TOTAL ACCOUNT BALANCE: 925,614.40
 DIFFERENCE: 0.00

SERVICE ORDER STATISTICS REPORT

ACTION		----- ISSUED THIS PERIOD -----				----- PRIOR ORDERS -----			TOTAL	TOTAL
		ISSUED	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	OUTSTANDING
C	CONNECT	0	0	0	0	130	4	0	130	0
D	DISCONNECT	0	0	0	0	45	3	0	45	0
F	CUTOFF	0	0	0	0	3	3	0	3	0
I	METER INFO	29	28	1	0	2,996	76	0	3,024	0
M	METER CHANGE	4	4	0	0	601	6	0	605	0
O	OCC CHANGE	13	13	0	0	1,245	2	0	1,258	0
R	REINSTATE	0	0	0	0	2	2	0	2	0
S	SERV CHANGE	0	0	0	0	33	0	0	33	0
X	MISC	3	2	1	0	763	22	0	765	0
** GRAND TOTALS **		49	47	2	0	5,818	118	0	5,865	0

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ZONE: ALL ZONES
SERVICE: 200-WATER

IDLE METER REPORT

PAGE: 1

**** REPORT TOTALS ****

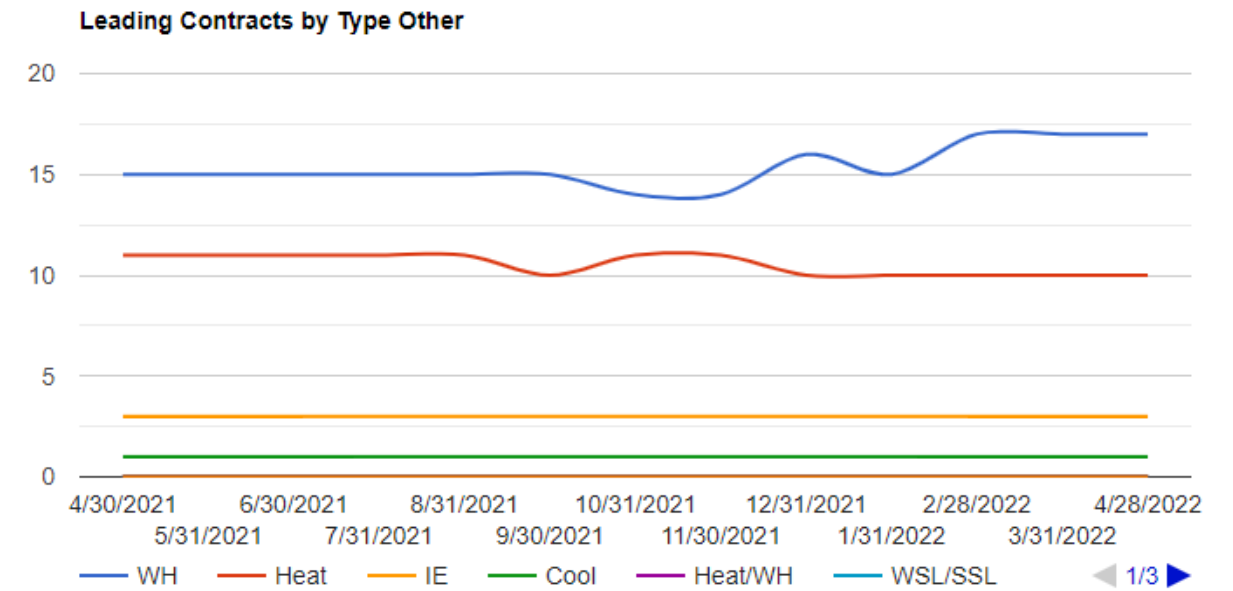
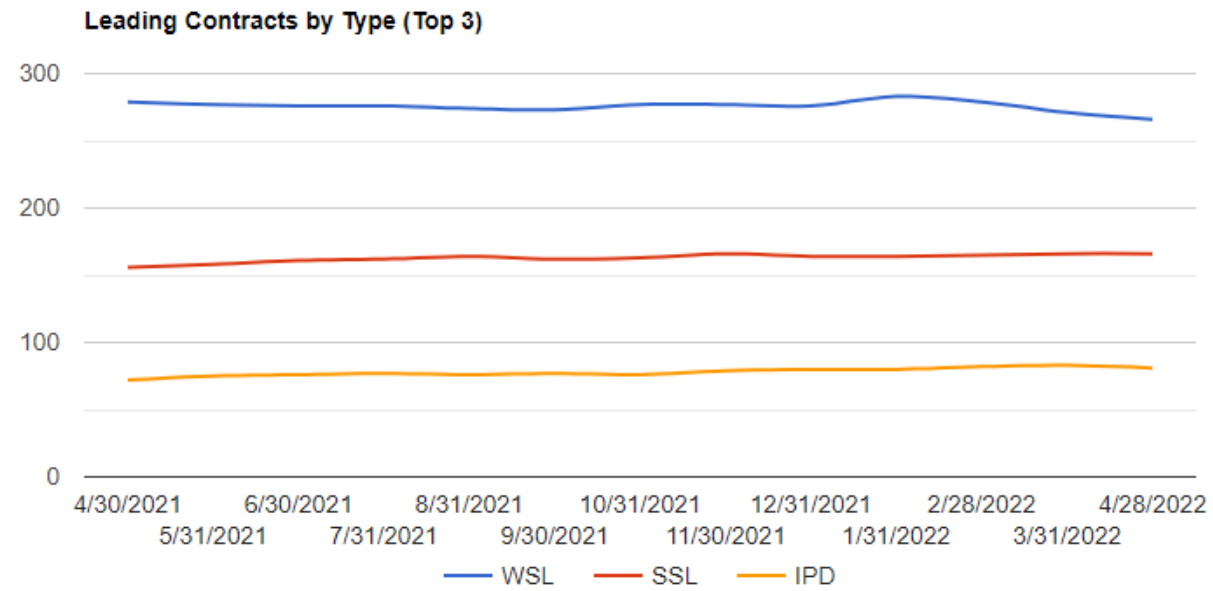
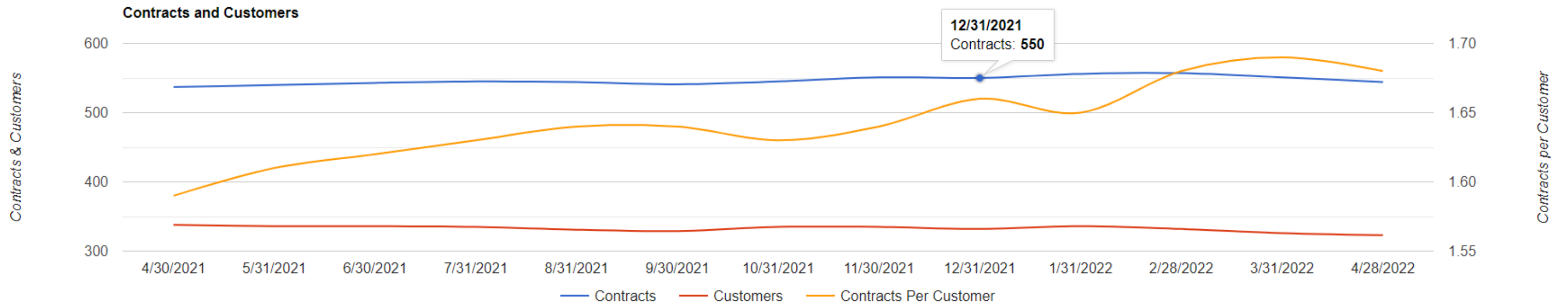
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04 - BOOK 04	2	0
08 - BOOK 08	6	4
09 - BOOK 09	1	0
12 - BOOK 12	5	3
13 - BOOK 13	1	1
15 - BOOK 15	2	0
16 - BOOK 16	3	0
18 - BOOK 18	2	0
20 - BOOK 20	1	1
21 - BOOK 21	3	2
28 - BOOK 28	1	1
29 - BOOK 29	1	1
32 - BOOK 32	1	1
Grand Totals	31	15

MARCH 2022 CUSTOMER SERVICE CALLS

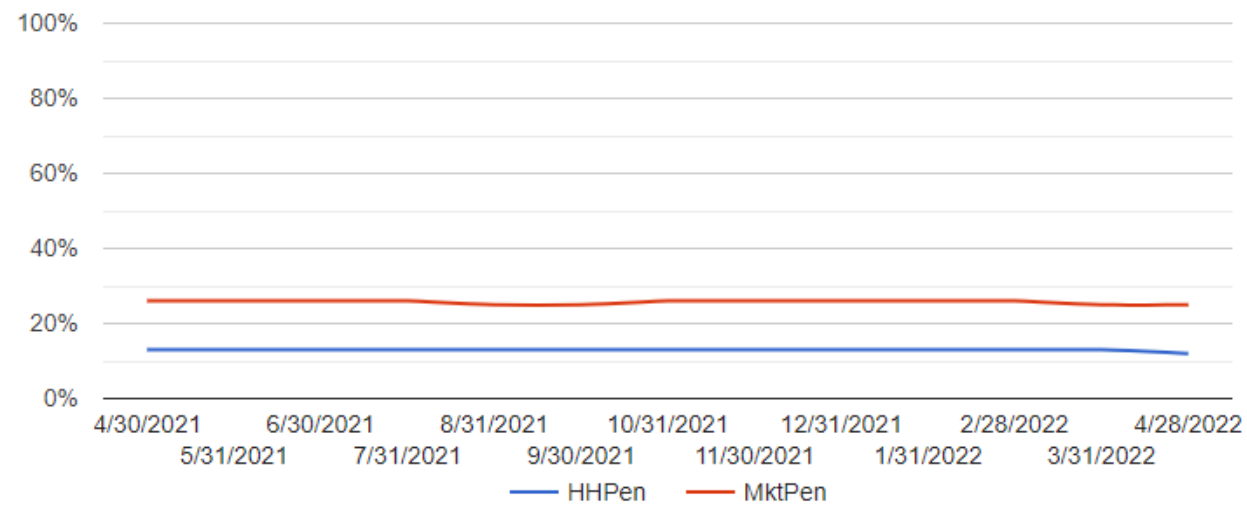
SUEZ MIDDLETOWN

Date	How Contact Was Received			Customer Service Inquiries															Field Service Requests					Field Request Info
	Call direct to Middletown CS	Customer Correspondence (Letters/Emails)	TOTALS	Calls for Other Ops	Calls from City / Other Org	AppleTree Hold Call	General Acct. Info	Copy Of Bill	Correct Bills	Bill Inquiry	Rates	Payment	Collection Letter	New Account	Finals	Meter Reading/Re-Roads	Service Complaints	C.S. Thank You	Sewer Back up or SSO	Water Leaks	Broke, Froze, Leaking Meter	No Water/Low Pressure	Water Quality	
Tuesday, March 1, 2022	47	5	52	1			1			19	2	19		2	3									
Wednesday, March 2, 2022	62	3	65	3						20		20	10											
Thursday, March 3, 2022	46	3	49							10		31	2	1	2									
Friday, March 4, 2022	55	3	58	3			1			8		43												
Monday, March 7, 2022	34	4	38	1						6		21	4			2								
Tuesday March 8, 2022	34	0	34				2			6		26												
Wednesday, March 9, 2022	23	8	31	1						5		17												
Thursday, March 10, 2022	28	3	31							4		23						1						
Friday, March 11, 2022	55	1	56	1						2		39	11	1	1									
Monday, March 14, 2022	54	2	56	2			2			4		41	5											
Tuesday, March 15, 2022	75	3	78	2						5		58	10											
Wednesday, March 16, 2022	68	5	73	3			2			10		48	5											
Thursday, March 17, 2022	32	7	39							9		19	3		1									
Friday, March 18, 2022	55	3	58							10		39	1	2	3									
Monday, March 21, 2022	46	2	48	1			2			12		22	5	2	2									
Tuesday, March 22, 2022	22	3	25							8		10		1	3									
Wednesday, March 23, 2022	28	3	31	3			2			7		16												
Thursday, March 24, 2022	23	4	27	1						8		11		1	2									
Friday, March 25, 2022	39	2	41	4						10		25												
Monday, March 28, 2022	23	2	25	1			2			3		17												
Tuesday, March 29, 2022	14	1	15							1		11		1	1									
Wednesday March 30, 2022	12	1	13	1						2		7												
Thursday, March 31, 2022	23		23	2			2			7		12												
GRAND TOTALS	898	68	966	30	0	0	16	0	0	176	2	584	56	11	20	2	0	1	0	0	0	0	0	0

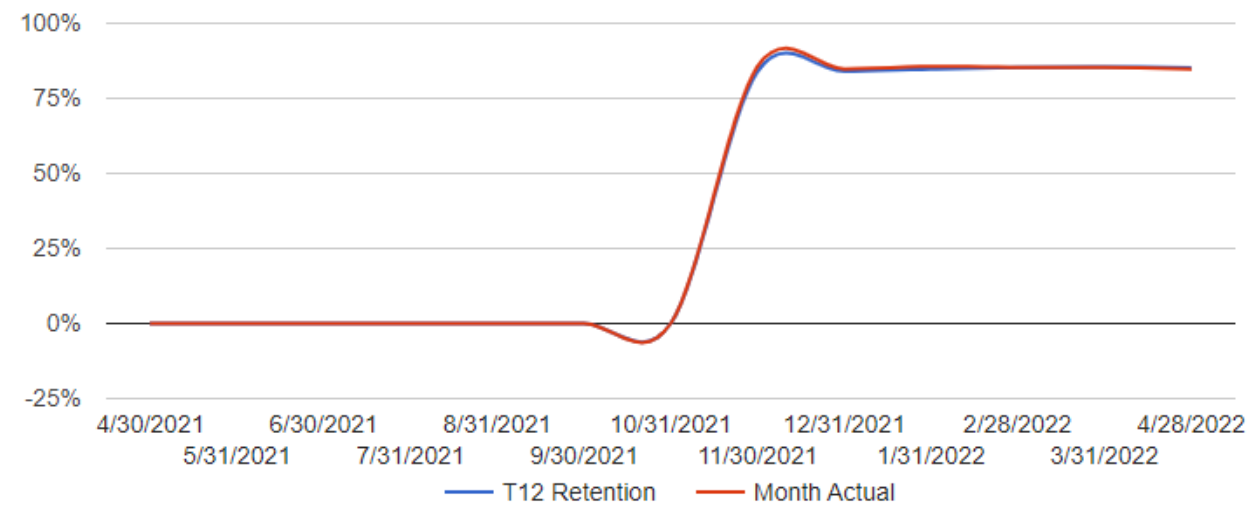
2021 MIDDLETOWN COLLECTION INFORMATION						
	Bill Due Date	Date 10 Day Notice Issued	Number of 10 Day Notices issued for Balances over \$50.00	Date 3 Day Notices Posted	Number of 3 Day Notices for Balances over \$100.00	Shut offs
January Bill Cycle	2/15/2022	2/17/2022	247	2/15/2022	81	NO SHUT OFF DUE TO WEATHER
February Bill Cycle	3/16/2022	3/21/2022	224	3/11/2022	57	4 Shut offs (3 Occupied, 1 Vacant) 3 Properties turned back on
March Bill Cycle						
April Bill Cycle						
May Bill Cycle						
June Bill Cycle						
July Bill Cycle						
August Bill Cycle						
September Bill Cycle						
October Bill Cycle						
November Bill Cycle						
December Bill Cycle						



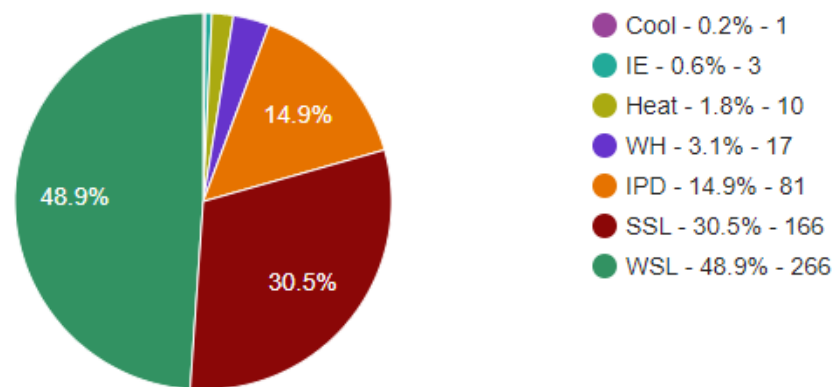
Household Penetration



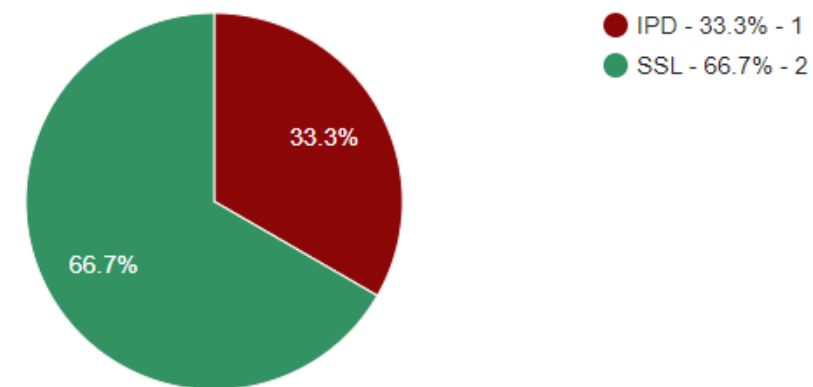
Retention



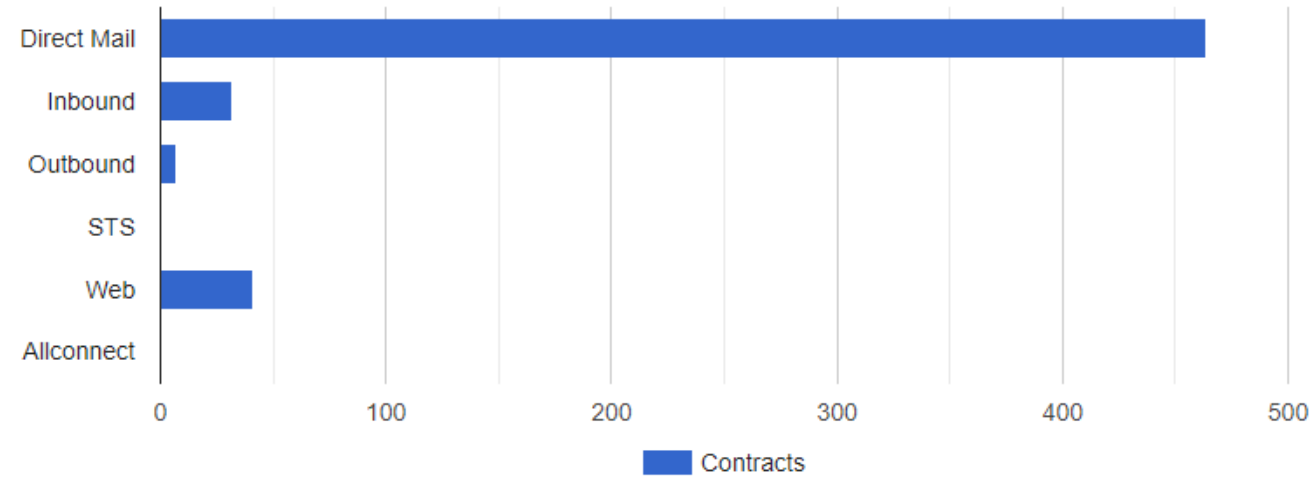
Contracts by Product Type



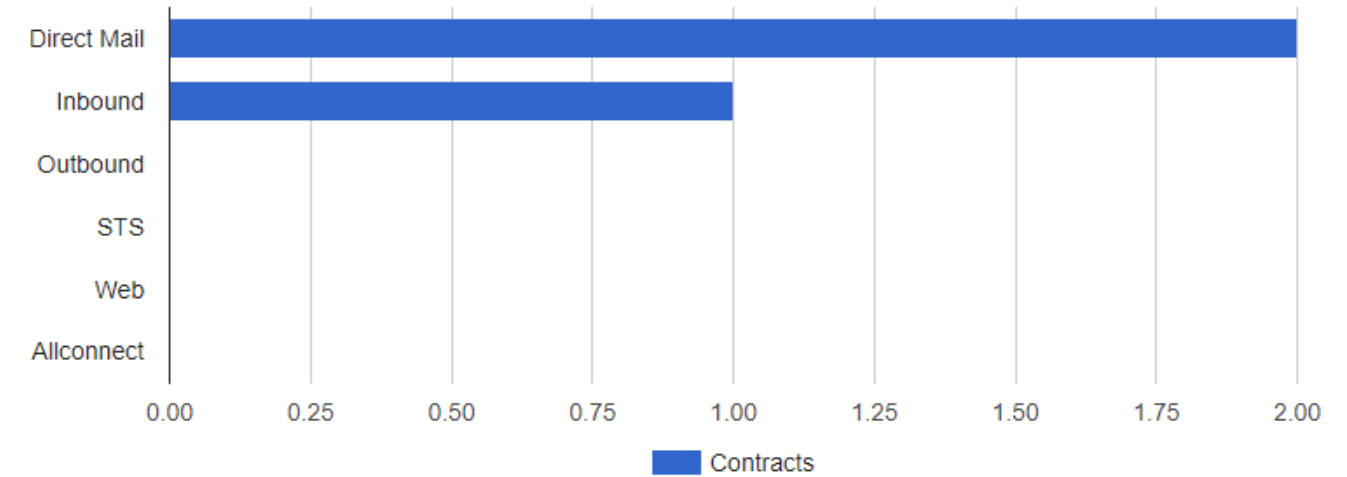
Contracts by Type - Last 30 Days



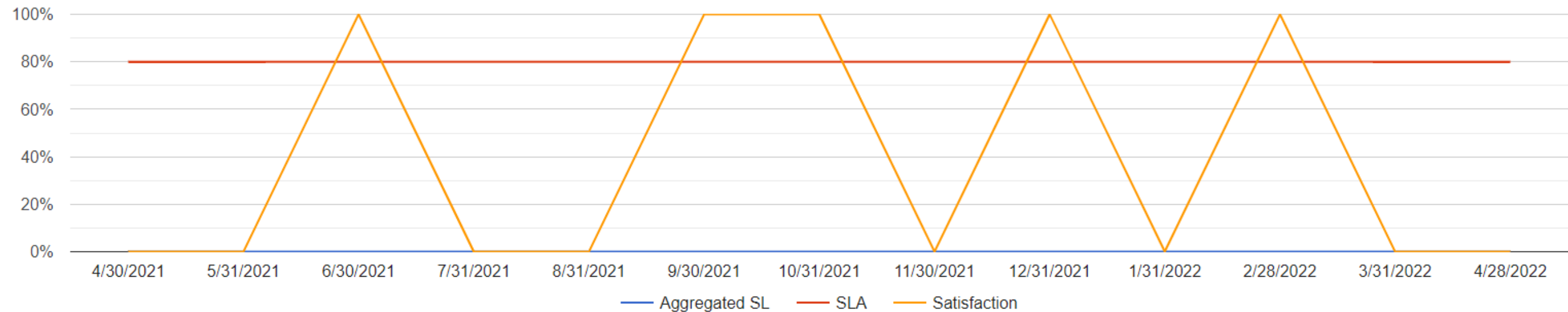
Contracts by Channel



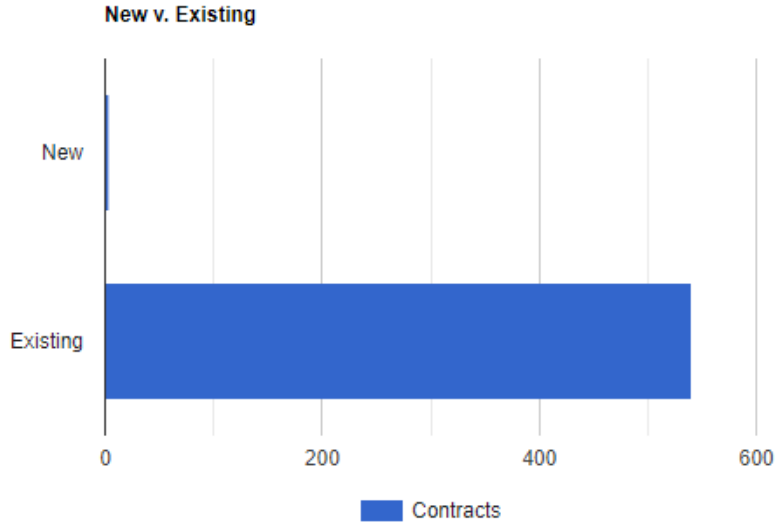
Contracts by Channel - Last 30 Days



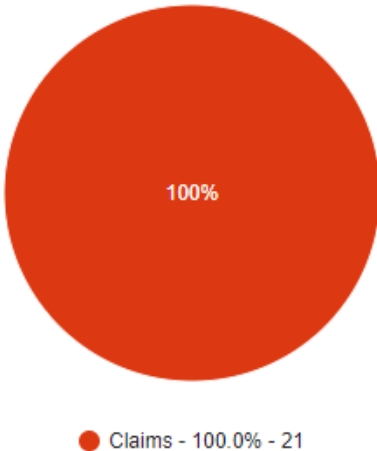
Service Levels And Satisfaction



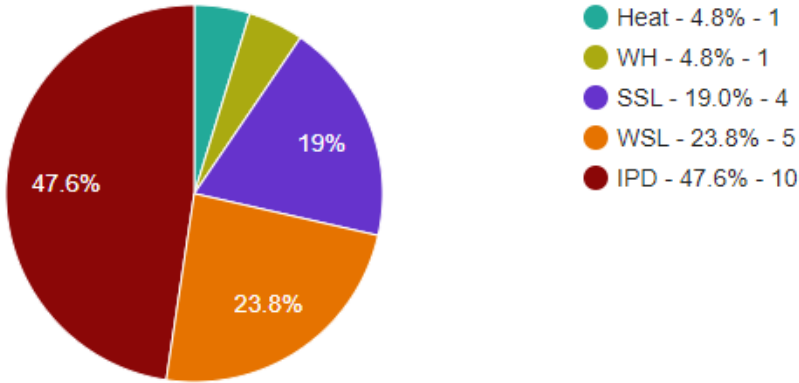
Rolling Complaints by Type



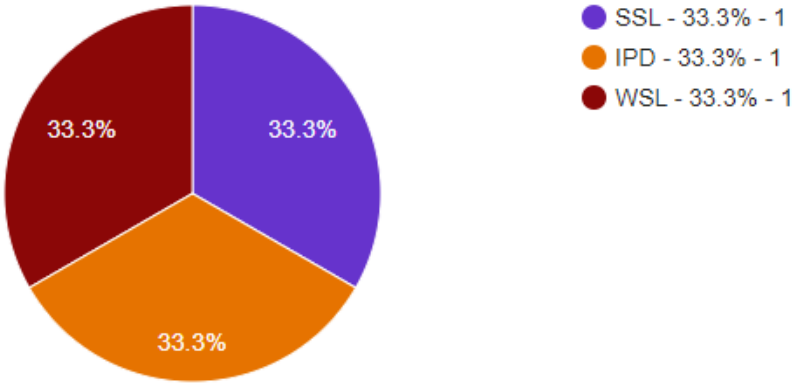
Complaints vs Claims



T12 Month Claims by Type

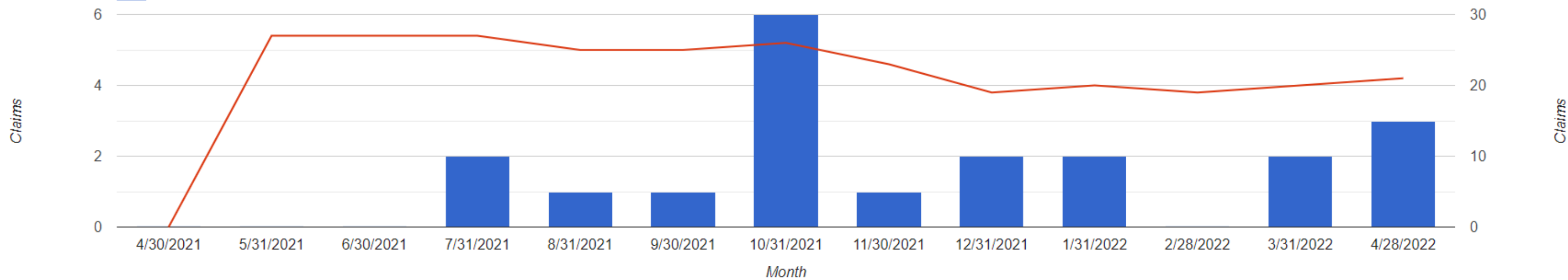


T1 Month Claims by Type



Claims History

Claims T12 Claims



MIDDLETOWN MONTHLY REPORT

APPENDIX 4

WATER MAIN LEAK LOGS

APPENDIX 5

**QUARTERLY METER TEST AND CALIBRATION
REPORTS**

MIDDLETOWN MONTHLY REPORT

APPENDIX 6